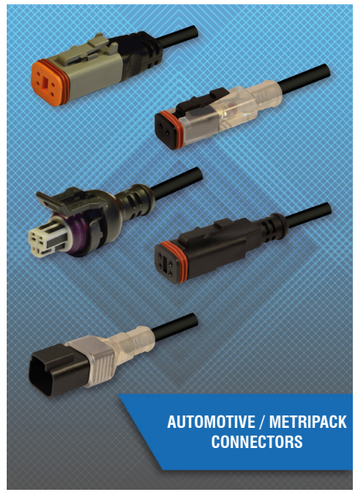












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INFO@WEBHTP.EU
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+39.035203291

HTP® HIGH TECH PRODUCTS S.R.L. CATALOGUE

INDUSTRIAL CONNECTORS

EN

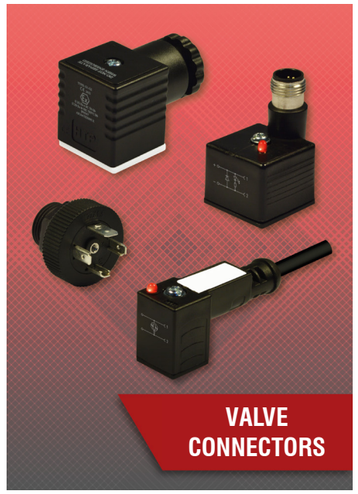
HTP®

HIGH TECH PRODUCTS S.R.L.

TÜV SÜD

CERTIFICATO Nr 50 100 10684 - Rev.002

INDUSTRIAL CONNECTORS





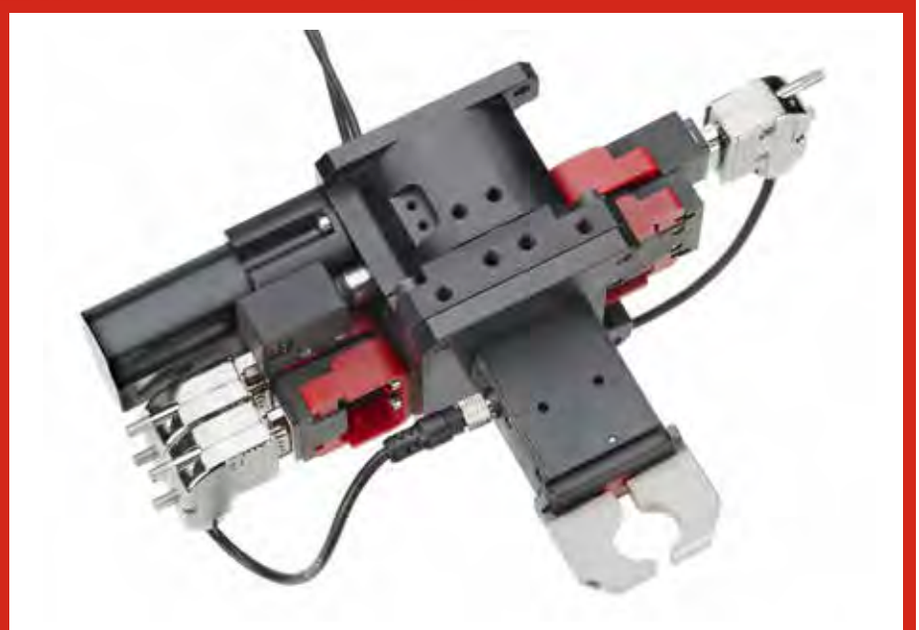




CATALOGUE





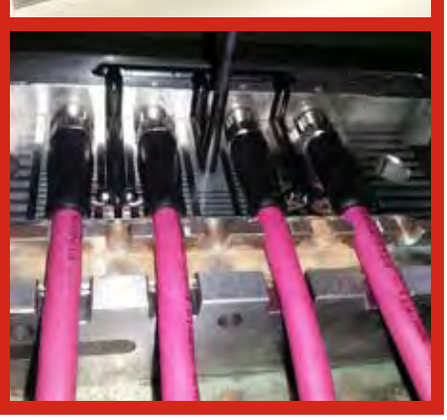












HIGH TECH PRODUCTS S.R.L.



H.T.P. s.r.l. is a young and dynamic company, established in 2003, operating in pneumatics, hydraulics and industrial automation.

H.T.P. s.r.l. produces a wide range of EN175301-803 connectors (former DIN 43650 connectors) for solenoid valve, as well as M8, M12, M23, 7/8" circular connectors, passive distribution boxes and lately also LED industrial lights.

Thanks to its unique flexibility H.T.P. s.r.l. is able to follow constantly the evolution of the market by developing new key products such as energy-saving connectors, structured cabling solutions and splitters allowing the end customer to save time in terms of wiring and to produce the machines more quickly thus being more competitive than its competitors.

H.T.P. s.r.l. builds custom connectors (even personalized with customer's logo) through innovative, unique, effective and cost-saving technical solutions.
Quality, reliability and flexibility make H.T.P. s.r.l. a partner you can trust and rely on.

H.T.P. s.r.l. has been for many years the leader in the following markets:
Pneumatics, being H.T.P. s.r.l. among the leading suppliers of companies such as Metal Work, SMC, Camozzi, Parker, BOSCH and Pneumax.

Hydraulics, having H.T.P. s.r.l., among others, customers such as Duplomatic and Hydac.
Producers of pressure switches, being H.T.P. s.r.l. supplier of companies such as Euroswitch, Trafag, Huba Control, Elettrotec, Ae.Cas, Suco and Fox.

Over the years H.T.P. s.r.l. has sold its products in more than 60 countries worldwide in all continents and to first class customers.

The key philosophy of the company is to focus on skills and expertise of custom manufacturing to enhance competitiveness.

Thanks to consolidated expertise, custom connectors are the best solution for non-standard requirements: the design is shared with the client and responds best to specific requests.

The main commercial advantages that H.T.P. s.r.l. can offer are the following:
Excellent service and high quality of all products.

Competitive prices in the international market in relation to the entire range of products.

Those who turn to H.T.P. s.r.l. instead of buying cable and products to be assembled receive connectors already assembled with cables, lengths and sizes meeting the required specifications.

To provide all these services H.T.P. s.r.l. employs staff capable of understanding the particular needs of each customer in order to deliver the specific required product in a short time.

Today H.T.P. s.r.l. is the protagonist in the market with head office in Brembate di Sopra (BG), Italy, where it has more than eight million pieces in stock.

H.T.P. s.r.l. also has branches both in Rockaway, New Jersey, USA, and in Taipei, Taiwan, both with related sales offices and warehouses.
All this allows just-in-time deliveries and Kanban guaranteeing the confirmed lead time without risk of lines stop for customers.

H.T.P.'s own production is located in China.

The organization of the production, certified in accordance with ISO 9001, is done according to criteria that enable the achievement of a standard of quality of the highest level.

Quality control of every single finished product is performed twice, in order to guarantee our customers absolute quality.



Since H.T.P. s.r.l. also has a Department for the production of moulds, it has the ability to offer its customers: flexibility, competence and quality also in the development of custom products in a very short time.

The various locations are a team capable to absorb and respond to requests from the world of industrial production more and more in real time.

To have a better idea of our range of products, please visit our web site at www.webhtp.eu and contact our sales department at +39-035-692509 or send an email to: info@webhtp.eu.

WHERE TO FIND US:





HTP PAGE ON: "DIRECT INDUSTRY"

HTP WEBSITE

HTP CONNECTIVITY WEBSITE

HTP®
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CONFORMITY DECLARATION

ACCORDING TO EN 60730-1 \ EN 60529

HTP HIGH TECH PRODUCTS S.R.L. DECLARES THAT ITS PRODUCTS ARE IN CONFORMITY WITH SAFETY REQUIREMENTS OF DIRECTIVES 2014/35/EU (ex 2006/95/CE, 73/23/CEE), EMC 2014/30/EU (ex 93/68, 2004/108/EC) AND VDE 110 TECHNICAL NORMS.

ROHS DECLARATION

HTP HIGH TECH PRODUCTS S.R.L. DECLARES THAT ITS PRODUCTS COMPLY WITH THE EUROPEAN STANDARD 2011/65/UE (ex 2002/95/CE) ROHS (RESTRICTION OF HAZARDOUS SUBSTANCES) AND WITH WEEE REQUIREMENTS.

REACH DECLARATION

HTP HIGH TECH PRODUCTS S.R.L. DECLARES THAT IT HAS FULLY COMPLIED WITH THE REACH NORMATIVE no. 1907/2006.

HTP HIGH TECH PRODUCTS S.R.L. NEITHER PRODUCES NOR IMPORTS CHEMICAL SUBSTANCES (AS CHEMICAL SUBSTANCES THEMSELVES OR AS COMPONENTS OF CHEMICAL SUBSTANCES); HOWEVER AS A USER OF SUBSTANCES, HTP HIGH TECH PRODUCTS S.R.L. HAS PROMOTED THE KNOWLEDGE OF THE REACH NORMATIVE TO ALL ITS SUPPLIERS WITH REGARD TO THE RAW MATERIALS BEING USED IN THE PROCESS AND HAS ENSURED THAT ALL ITS SUPPLIERS HAVE CONFORMED TO THE REACH NORMATIVE AND TO THE PRE-REGISTRATION IF REQUESTED.

ON THE BASIS OF THE INFORMATION RECEIVED FROM OUR SUPPLIERS, WE ALSO INFORM THAT THE PRODUCTS SUPPLIED BY HTP HIGH TECH PRODUCTS S.R.L. DO NOT CONTAIN ANY HIGHLY DANGEROUS SUBSTANCES INCLUDED IN THE CANDIDATE LIST (PUBLISHED BY THE AGENCY AND UPDATED) ABOVE THE LIMITS DEFINED IN THE REACH NORMATIVE.

EAC CERTIFICATE

CERTIFICATE OF COMPLIANCE
Certificate n° RU C-CN.HB27.B.00415/20
RU Series: 0243802

INDUSTRIAL ELECTRICAL CONNECTORS, PLUG CONNECTORS SERIES:
G1;G1C;G1F;G4;M1;M2;P1;P2;BG0;BG1;BG4;BG5;BG7;BG8;BG10;BG16;BG33;BG42;BGR;BM1;BP1;BP2;BP3;AM;AG; AP;G1B;BG1;BG1B;BGB;08;12;78;P3;P4;BP3;BP4;15;CG1;CBG1;CG5;CGB;CBGB;CM1;CM2;CM1B;CP1;CP2;CP2C;09; 23;HDC;CG1;CM1;CM2;CP1;CP2;A;B;C;D;CG1E;CM1E,CM2E;A;C

Standard(s) for safety:
All above connectors and plugs meet safety requirements TP TC 004/2011 for low voltage equipment.

UL CERTIFICATES

C US
US = UNITED STATES REQUIREMENTS
= RECOGNIZED PRODUCTS
C = CANADIAN REQUIREMENTS

DIN VALVE CONNECTORS FIELD ATTACHABLE & BASES

CERTIFICATE OF COMPLIANCE
Certificate n° E333724

COMPONENT-CONNECTORS FOR USE DATA,SIGNAL,CONTROL AND POWER APPLICATIONS
USR,CNR Component Connector,Series G1,G2,G1F and header BG.
Component Connector,Series Cat. Nos. P1 and P2 and header Series Cat.Nos.BP1 and BP2.
USR,CNR Component Connector,Series M1&M2 and header BM.

Standard(s) for safety:
Component connectors for use in data,signal,control and power applications,UL 1977 and CAN/CSA C22.2 No.182.3-M1987

C UL US
US = UNITED STATES REQUIREMENTS
= LISTED PRODUCTS
C = CANADIAN REQUIREMENTS

M8 CIRCULAR CONNECTORS WITH MOULDED CABLE

CERTIFICATE OF COMPLIANCE
Certificate n° E464987

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL CONTROL AND SIGNAL DISTRIBUTION
Female and male cable fittings (one-side molded-on models).
Series M8,Cat.Nos.08 followed by F or M,followed by A or D followed by 3 or 4,followed by XXX (where X can be alphanumeric character),followed by -K6,followed by -UL,-HN-UL or -IN-UL.
Standard(s) for safety:
UL 2238 standard for cable assemblies and fittings for industrial control and signal distribution
CSA C22.2 No.182.3-M1987 special use attachment plugs,receptacles and connectors.

M12 CIRCULAR CONNECTORS WITH MOULDED CABLE

CERTIFICATE OF COMPLIANCE
Certificate n° E464987

CABLE ASSEMBLIES AND FITTINGS FOR INDUSTRIAL CONTROL AND SIGNAL DISTRIBUTION
Female and Male Cable Fittings, Series M12, Cat. Nos. 12 or A12 or B12 or D12 or S12 followed by For M, followed by A or D or J or V, followed by 2 or 3 or 4 or 5 or 6 or 7 or 8, may be followed by K6,may be followed by -HN or -IN, followed by UL, may be followed by XXX (where X can be any alphanumeric character).
Cable Assembly, Series M12, Cat. Nos. 12 or A12 or B12 or D12 or S12 followed by F or M, followed by A or D or J or V, followed by 2 or 3 or 4 or 5 or 6 or 7 or 8, followed by XXX (where X can be any alphanumeric character), may be followed by K6, followed by 12FA, or 12FD or 12FJ or 12FV or 12MA,or 12MD or 12MJ or 12MV, may be followed by -HN or -IN, followed by UL.
Outlet, Series M12, Cat. Nos. S12 followed by F, followed by P or R, followed by 2 or 3 or 4, followed by XXX, followed by PG9 or M16. followed by UL,may be followed by XXX (where X can be any alphanumerichs character).
Standard(s) for safety:
UL 2238 standard for cable assemblies and fittings for industrial control and signal distribution
CSA C22.2 No.182.3-M1987 special use attachment plugs,receptacles and connectors.

CONFORMITY

ATEX CERTIFICATES

CONNECTOR'S TYPE	ATEX MARKING
DIN VALVE CONNECTORS FIELD ATTACHABLE	CE 0948 Ex II 2G Ex eb IIC T6 Gb ; II 2D Ex tb IIIC T85°C Db IP65/67
M12 CIRCULAR CONNECTORS FIELD ATTACHABLE	CE 0948 Ex II 2G Ex eb IIC T6 Gb ; II 2D Ex tb IIIC T85°C Db IP65/67
M8 CIRCULAR CONNECTORS FIELD ATTACHABLE	CE 0948 Ex II 2G Ex eb IIC T6 Gb IP55/57

DIN VALVE CONNECTORS FIELD ATTACHABLE:

CE 0948	Ex	II	2G / 2D	Ex	eb / tb	IIC / IIIC	T6 / T85°C	Gb / Db	IP65/67
1	2	3	4	5	6	7	8	9	10

M12 CIRCULAR CONNECTORS FIELD ATTACHABLE:

CE 0948	Ex	II	2G / 2D	Ex	eb / tb	IIC / IIIC	T6 / T85°C	Gb / Db	IP65/67
1	2	3	4	5	6	7	8	9	10

M8 CIRCULAR CONNECTORS FIELD ATTACHABLE:

CE 0948	Ex	II	2G	Ex	eb	IIC	T6	Gb	IP55/57
1	2	3	4	5	6	7	8	9	10

GUIDE TO THE ATEX WORLD:

1 ID 1

CE Marking
0948 : Notified body.

2 ID 2

Ex ATEX Marking.

3 Group Equipment

II = used in all other EX environments.

4 Equipment Category

2G = equipment suitable for areas where, during normal activities, explosive atmospheres due to gas, vapors or mists (zone 1) may occur; suitable to be installed in zone 1.
2D = equipment suitable for areas where, during normal activities, explosive atmospheres due to a mixture of air and flammable dusts (zone 21) and that has inside a bonded device that will be connected to a category 1 equipment; suitable to be installed in zone 21.

Equipment Category	Gas zone (G)	Dust zone(D)
2	1	21

5 Equipment

Ex= explosion-proof equipment.

6 Type of inition protection

eb = "eb" increased safety equipment.
tb = equipment with an enclosure that prevents dust ingress and with devices to limit surface temperatures; protection level "b".

7 Explosion Group

IIC = equipment not addressed to underground work in mines or their surface plants which could exposed to risk of explosive atmospheres - subgroup of C gas; suitable to be installed in presence of any gas (subgroups A, B and C).
IIIC = equipment not addressed to underground work in mines or their surface plants which could exposed to risk of explosive atmospheres - subgroup of C dusts;suitable to be installed in presence of any dust (subgroups A, B and C).

8 Definition of temperatures generated by equipment

T6 = equipment that can reach, but not exceed 85°C of absolute temperature (depending on the protection mode, it can be either maximum temperature or surface maximum temperature).
T...°C = equipment that can reach, but not exceed in surface …°C of absolute temperature.

9 Equipment protection level

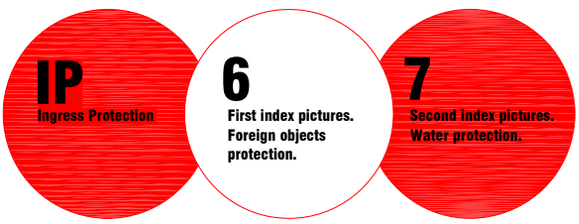
Gb = equivalent to 2G category.
Db = equivalent to 2D category.

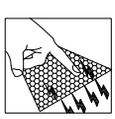
10 Protection class

IP protection type.

• INTERNATIONAL PROTECTION CLASSES according to EN 60529 (IEC 529 / VDE 047T1)

FIRST INDEX PICTURE
PROTECTION CLASS-PROTECTION AGAINST SOLID FOREIGN OBJECTS PENETRATING THE PRODUCT.

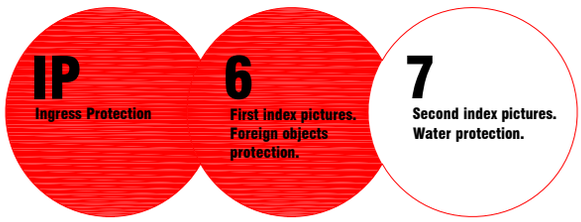


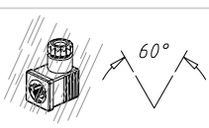
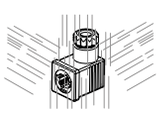
Index	Degree of protection		Definition
0		No protection against accidental contact, no protection against solid foreign bodies.	
1		Protection against contact with any large area by hand and against solid foreign bodies with ø >50mm.	The sample object, a ball of 50mm diameter,must not penetrate the enclousure completely.
2		Protection against contact with the fingers, protection against solid foreign bodies with ø > 12mm.	The sample object, a ball of 12.5mm diameter,must not penetrate the enclousure completely.
3		Protection against tools,wires or similar objects with ø > 2.5mm,protection against solid foreign bodies with ø > 2.5mm.	The sample object, a ball of 2.5mm diameter,must not penetrate the enclousure at all.
4		Just like 3 except for the size difference of ø 1mm.	The sample object, a ball of 1mm diameter,must not penetrate the enclousure at all.
5		Full protection against contacts,protection against interior injurious dust deposits.	Ingress of dust is not prevented completely but dust may only enter to such extent that the amount of dust does not interfere with normal operation or compromise safety.
6		Total protection against contact,protection against penetration of dust.	Ingress of dust is not prevented completely.

CONFORMITY

• INTERNATIONAL PROTECTION CLASSES according to EN 60529 (IEC 529 / VDE 047T1)

SECOND INDEX PICTURE.
PROTECTION CLASS-PROTECTION AGAINST INGRESS OF WATER WITH ADVERSE EFFECTS.



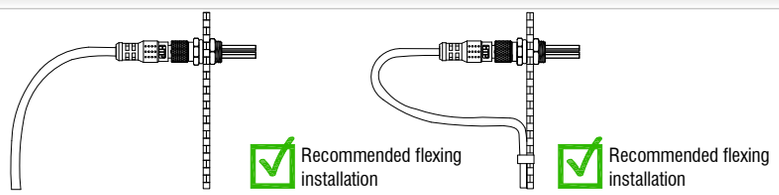
Index	Degree of protection	Definition
0	No protection against water.	
1	 Protection against vertical water drips.	Vertically falling water drops must not have any adverse effects.
2	 Protection against water drips (up to a 15° angle)	Vertically falling water drops must not have any adverse effects when the enclousure is tilted up to 15° on either side of the vertical.
3	 Protection against diagonal water drips (up to a 60° angle)	Water, sprayed at an angle up to 60° on either side of the vertical,must not have any adverse effects.
4	 Protection against splashed water from all directions.	Water, splashed against the enclosure from any direction,must not have any adverse effects.
5	 Protection against water(out of a nozzle)from all directions.	Water, projected in jets against the enclosure from any direction,must not have any adverse effects.
6	 Protection against temporary flooding.	Water, projected in powerful jets against the enclosure from any direction, must not have any adverse effects.
7	 Protection against temporary subimmersion in water.	Water may only enter to such extent that the amount of water entering the enclosure does not cause any adverse effects when the enclosure is temporarily immersed in water; standardized pressure and time conditions apply.
8	 Protected agasinst permanent subimmertion in water.	Water may not enter to such extent that it causes any adverse effects when the enclousure is continuously immersed in water, under conditions that have been agreed upon by the manufacturer and the user; the conditions must be more difficult than the conditions described in point digit 7.
9 K	 Protected agasinst water from high-pressure / steam jet cleaners.	Water,directed against the enclosure from any direction under extremely high pressure,must not have any adverse effects.

CABLE INSTALLATION GUIDE

Avoiding common cabling pitfalls! Proper installation and maintenance of cabling systems will ensure high operational dependability and longevity of the system.

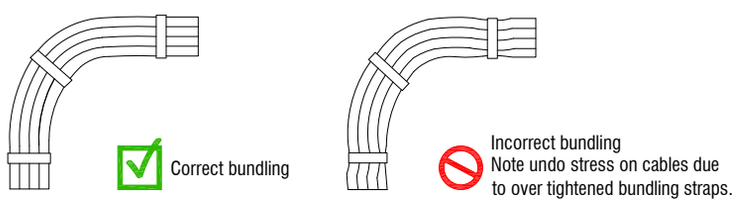
BEND RADIUS:

Procuring commensurate bend radius allows the cable to absorb the impact of bendig,with less tension,thereby,increasing its life cycle.
Increasing bend radius can significantly increase the duration of the cable's life and reduce costs.



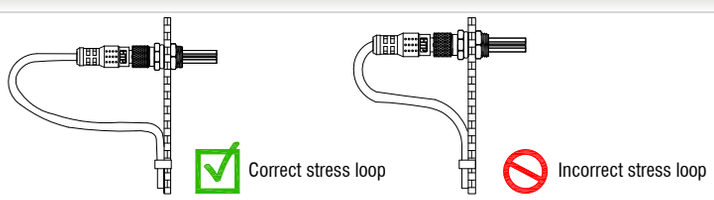
CABLE BUNDLING:

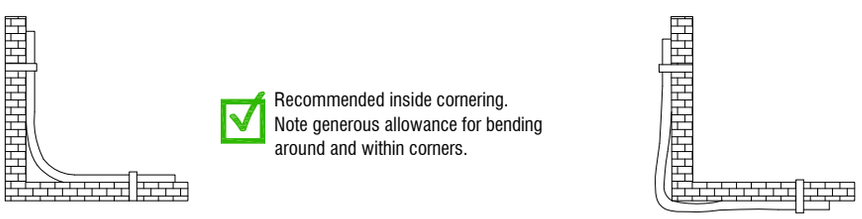
When attaching single cables to equipment,or bundling several cables together,care must be taken that the cable ties do not pinch or deform the cable.
Correct cable bundling enables movement without stress to the cable,wich will translate into long lasting usage.



STRESS POINTS:

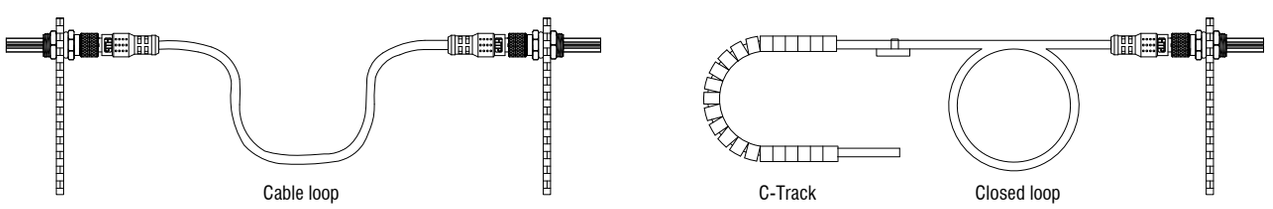
Implementing a sufficient stress loop from a connection point will reduce excessive wear and eliminate a common problem: stress pints pictured below.
Note the rugged overmoulded body,wich provides exceptional stress relief in conjunction with the correctly installed stress loop.





INSTALLATION OF CABLE FOR MOTION APPLICATIONS:

When connected cable is subjected to any motion between two points,the cable lenght should be adequate to prevent any undue stress on the cable or plugs.
Cable lopps and cable tracks are the solution to eliminate cable stress due to motion.





VALVE CONNECTORS

GENERAL FEATURES:

Cable Gland :
PG7 : ø CABLE 3.5-6mm.
PG9 : ø CABLE 4-8mm.
PG11 : ø CABLE 6.5-9.5mm.
1/2" NPTF : -
SK : ø CABLE 4-8.6mm.

Conductor cross section :
0.50(20AWG)...1.50mm²(16AWG).

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
G1-G4-M1-M2-P2 series: Max. 0.5 N*m.
P1 series: Max. 0.4 N*m.

Type of terminations :
Screw(with protection plate).

Contact material and treatment :
Brass + Silver plated.

Max. contact screw torque IEC60947-1 :
G1-G4-M1-M2 series: Max. 0.5 N * m.
P1-P2 series: Max. 0.4 N * m.

Housing material :
PA66.

Internal core material :
PA66.

Flammability resistance :
UL94-V2 - Standard.
UL94-V0 - UL approved (upon request).

Protection class :
IP 65 / 67 (assembled).

Operating temperature :
-40°C +90°C with NBR gasket.
-40°C +125°C with Silicone gasket.

Nominal current :
10A (P1-P2 series: 6A).

Max contact current :
16A (P1-P2 series: 10A).

#	G1	N	U	2	00	0	-	##

PACKAGING
NO DIGIT : STANDARD PACKAGING.
I : SINGLE BAG.

SERIES
G1 : EN175301-803 form A (18mm).
G1C : EN175301-803 form A (18mm) complete with COVER.
G1F : EN175301-803 form A (18mm) suitable for FASTONS contacts.
G4 : Form A (18mm) Housing height : ~46mm.
M1 : INDUSTRIAL form B (11mm).
M2 : EN175301-803 form B (10mm).
P1 : EN175301-803 form C (8mm).
P2 : MICRO INDUSTRIAL form C (9.4mm).

COLOUR
B : BLUE.
G : GREY.
N : BLACK (STANDARD).
T : TRANSPARENT (STANDARD).

CABLE GLAND
F : 1/2" NPTF (form A and form B/INDUSTRIAL).
P : M16X1.5 (form B**).**
S : PG9 (form B/INDUSTRIAL).
U : PG9/11 UNIFIED (form A).
Z : PG7 (form C/MICRO INDUSTRIAL).

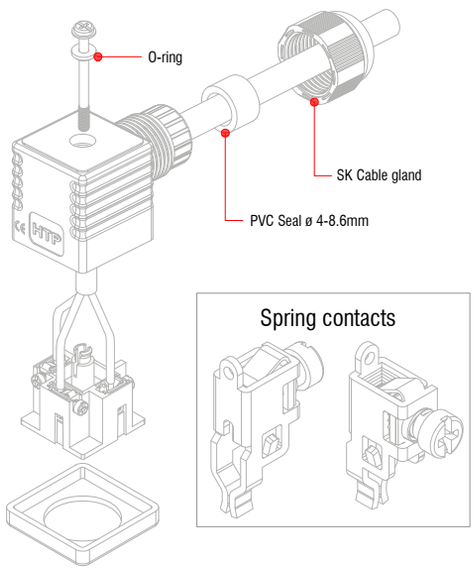
POLES No.
2 : 2POLES + EARTH.
3 : 3POLES + EARTH.

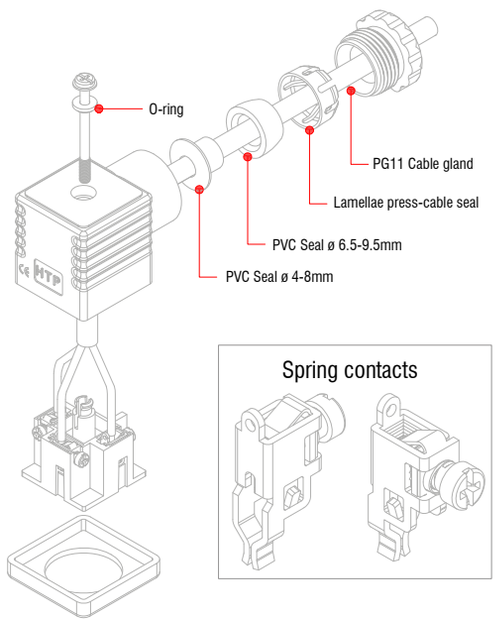
CIRCUIT TYPE
SEE CIRCUITS FEATURES PAGE.

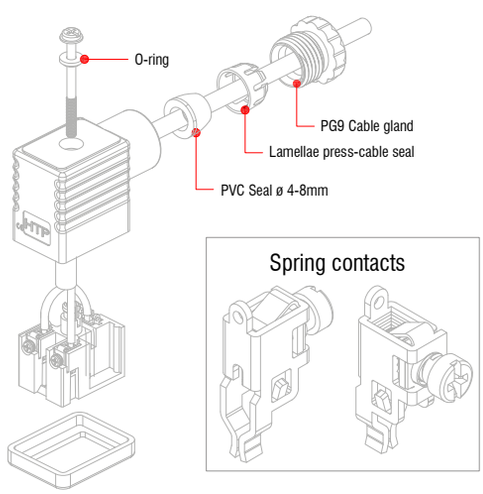
VOLTAGE
0 : 250V / 300V.
1 : 24V.
2 : 115V.
3 : 230V.
4 : 12V.
5 : 48 V.

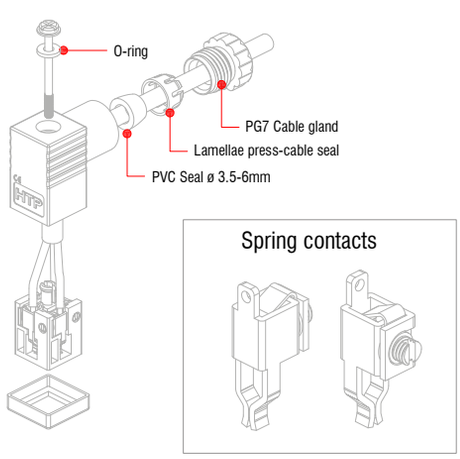
SOME VARIABLES
ATEX : ATEX CONFORM.
H : EXAGONAL PRESS-CABLE.
IG : INTEGRATED GASKET.
P : FLAT GASKET.
SK : CABLE GLAND SK STYLE.
3A : ELECTRONIC WITH 3A COMPONENTS.
4D : BRIDGE RECTIFIER WITH 4 DIODES.
SS : STAINLESS STEEL SCREW.
UL : UL APPROVED.
Y : WITHOUT H.T.P.LOGO.

VALVE CONNECTORS







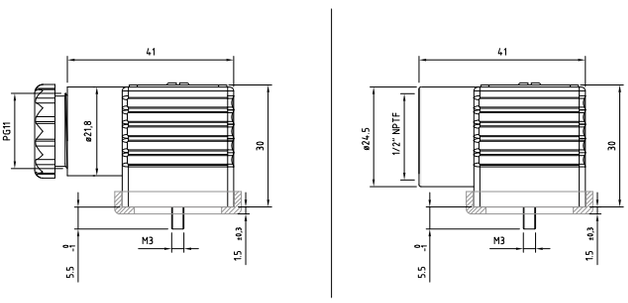
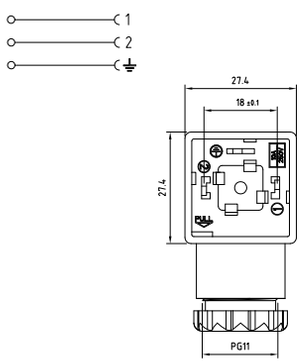
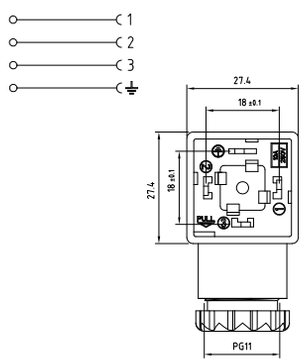


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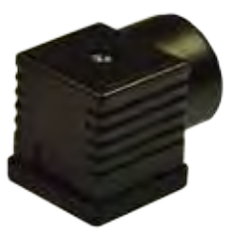
VALVE CONNECTORS



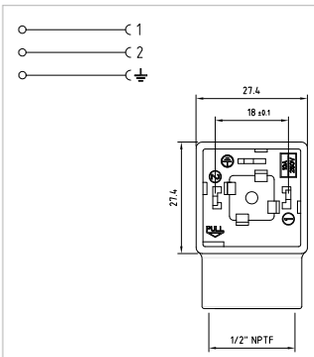
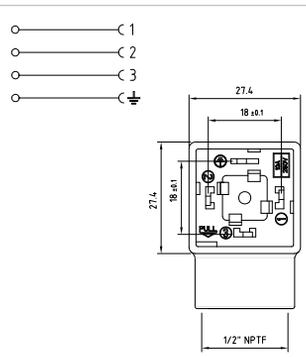
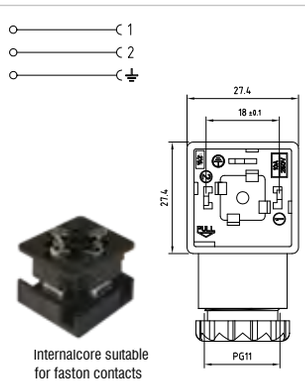
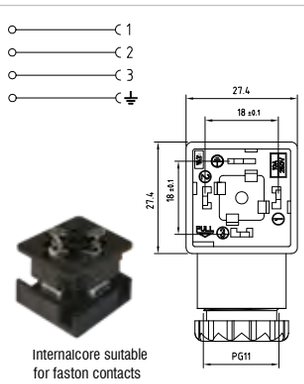


Technical drawing		
		
Product description		
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	A	A
Part number	**G1NU2000**	**G1NU3000**
Description	Square connector G1 series complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing height	30mm	30mm
Cable gland	PG11	PG11
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs / box	50pcs / box
Other accessories options		
See accessories section		
Notes:	Connector with Grey Housing: P/N G1GU2000	Connector with Grey Housing: P/N G1GU3000

VALVE CONNECTORS



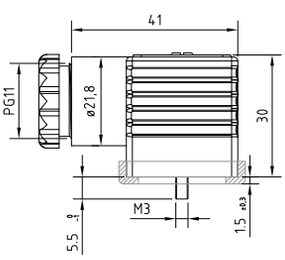
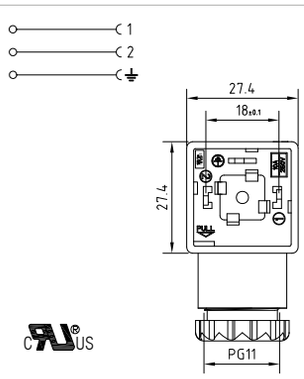
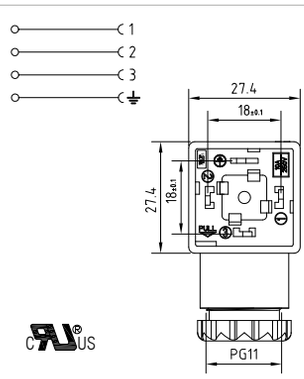
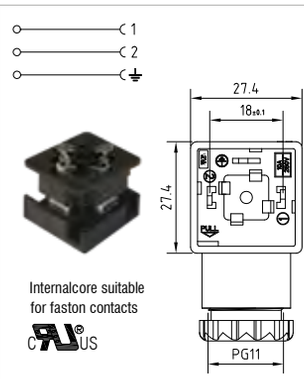
		 Internalcore suitable for faston contacts	 Internalcore suitable for faston contacts
Product description			
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
G1NF2000	**G1NF3000**	**G1FNU2000**	**G1FNU3000**
Square connector G1 series complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series complete with gasket and fixing screw. Connector without electronic.	Square connector G1F series,complete with gasket and fixing screw. Connector without electronic.	Square connector G1F series,complete with gasket and fixing screw. Connector without electronic.
18mm	18mm	18mm	18mm
2poles + P.E.	3poles + P.E.	2poles + P.E.	3poles + P.E.
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Black	Black	Black	Black
30mm	30mm	30mm	30mm
1/2" NPTF	1/2" NPTF	PG11	PG11
Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data			
Screw contacts	Screw contacts	Female Faston contacts 6.3 x 0.8mm	Female Faston contacts 6.3 x 0.8mm
0.5 N*m	0.5 N*m	-	-
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
-	-	-	-
-	-	-	-
-	-	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
0.5 N*m	0.5 N*m	**0.5 N*m**	0.5 N*m
Packaging			
50pcs / box	50pcs / box	50pcs / box	50pcs / box
Other accessories options			
See accessories section			
Notes: Connector with Grey Housing: P/N G1GF2000 Connector without press-cable screw	Connector with Grey Housing: P/N G1GF3000 Connector without press-cable screw	Connector without faston contacts, the contacts must be ordered separately in reel with P/N: X-FASTON-F-6,3X0,8	Connector without faston contacts, the contacts must be ordered separately in reel with P/N: X-FASTON-F-6,3X0,8

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VALVE CONNECTORS



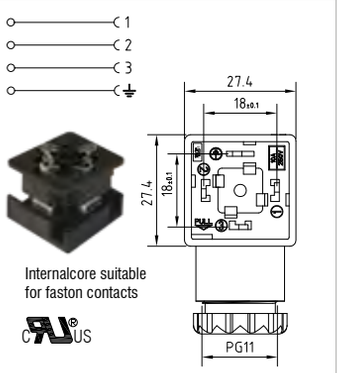


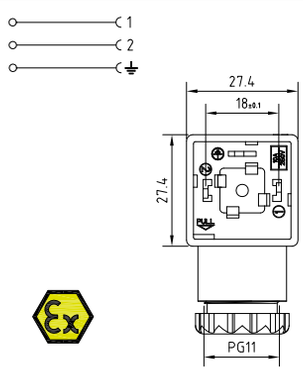
Technical drawing				 Internalcore suitable for faston contacts
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**G1NU2000-UL**	**G1NU3000-UL**	**G1FNU2000-UL**
Description	Square connector G1 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Square connector G1F series,ULapproved, complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black	Black
Housing height	30mm	30mm	30mm
Cable gland	PG9/PG11 unified	PG9/PG11 unified	PG9/PG11 unified
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data			
Type of termination	Screw contacts	Screw contacts	Female Faston contacts 6.3 x 0.8mm
Contact screw torque	0.5 N*m	0.5 N*m	-
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-	-
Led colour	-	-	-
Suitable cable	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
Qty/Box	50pcs / box	50pcs / box	50pcs / box
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different circuits	Connector without faston contacts, the contacts must be ordered separately in reel with P/N: X-FASTON-F-6,3X0,8

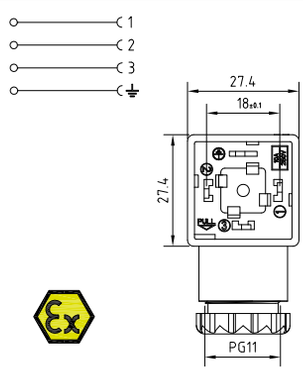
VALVE CONNECTORS

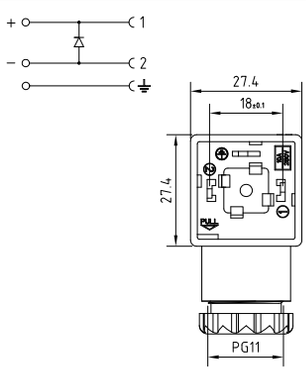










Product description			
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
G1FNU3000-UL	**G1NU2000-ATEX**	**G1NU3000-ATEX**	**G1NU2D03**
Square connector G1F series, ULapproved, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,ATEX conform, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,ATEX conform, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series complete with gasket and fixing screw. Connector with electronic.
18mm	18mm	18mm	18mm
3poles + P.E.	2poles + P.E.	3poles + P.E.	2poles + P.E.
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Black	Black	Black	Black
30mm	30mm	30mm	30mm
PG9/PG11 unified	PG9/PG11 unified	PG9/PG11 unified	PG9/PG11 unified
Profiled NBR gasket	Flat Silicone gasket	Flat Silicone gasket	Profiled NBR gasket
Technical data			
Female Faston contacts 6.3 x 0.8mm	Screw contacts	Screw contacts	Screw contacts
-	0.5 N*m	0.5 N*m	0.5 N*m
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
-	-	-	Diode(1A)
-	-	-	-
ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
50pcs / box	Singly packed in plastic bag	Singly packed in plastic bag	50pcs / box
Other accessories options			
See accessories section			
Notes: Connector without faston contacts, the contacts must be ordered separately in reel with P/N: X-FASTON-F-6,3X0,8			

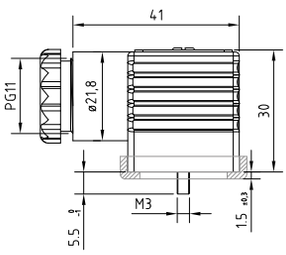
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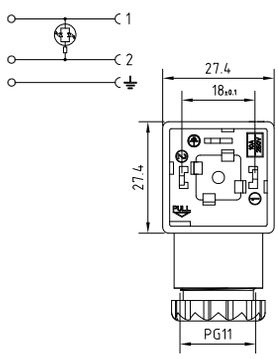
VALVE CONNECTORS

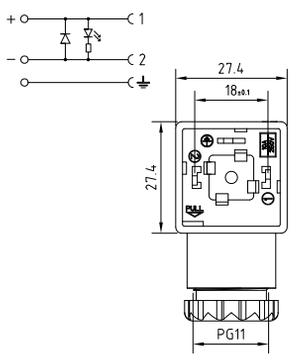


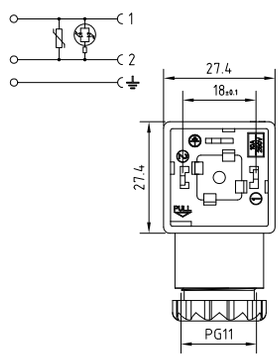


Technical drawing







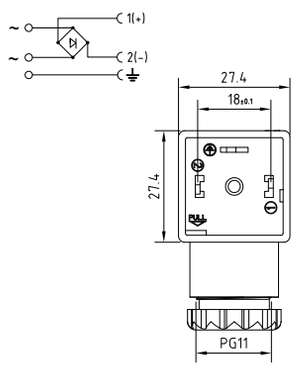


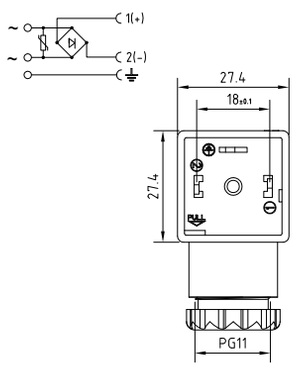
Product description									
Connector type	DIN valve connectors			DIN valve connectors			DIN valve connectors		
Conforms to	EN175301-803			EN175301-803			EN175301-803		
Construction type	A			A			A		
Part number	**G1TU2L01**	**G1TU2L02**	**G1TU2L03**	**G1TU2DL1**	**G1TU2DL2**	**G1TU2DL3**	**G1TU2VL1**	**G1TU2VL2**	**G1TU2VL3**
Description	Square connector G1 series complete with gasket and fixing screw. Connector with electronic.			Square connector G1 series complete with gasket and fixing screw. Connector with electronic.			Square connector G1 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	18mm			18mm			18mm		
Number of contacts	2poles + P.E.			2poles + P.E.			2poles + P.E.		
Earth positioning	H.12 (turnable)			H.12 (turnable)			H.12 (turnable)		
Housing colour	Transparent			Transparent			Transparent		
Housing height	30mm			30mm			30mm		
Cable gland	PG9/PG11 unified			PG9/PG11 unified			PG9/PG11 unified		
Gasket type	Profiled NBR gasket			Profiled NBR gasket			Profiled NBR gasket		
Technical data									
Type of termination	Screw contacts			Screw contacts			Screw contacts		
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC
Circuit type	Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor		
Led colour	Red			Red			Red		
Suitable cable	ø cable 4-8mm or ø cable 6.5-9.5mm			ø cable 4-8mm or ø cable 6.5-9.5mm			ø cable 4-8mm or ø cable 6.5-9.5mm		
Central fixing screw	M3 L=32.5mm			M3 L=32.5mm			M3 L=32.5mm		
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated		
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Packaging									
Qty/Box	50pcs / box			50pcs / box			50pcs / box		
Other accessories options									
See accessories section									
Notes: Connector available with different led colour									

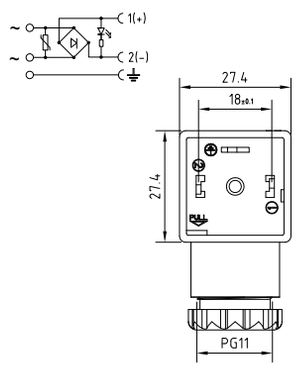
VALVE CONNECTORS

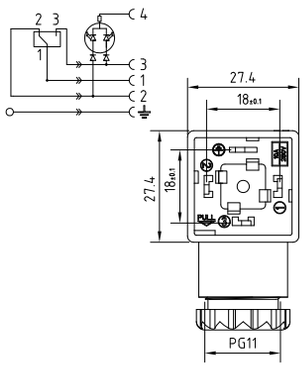










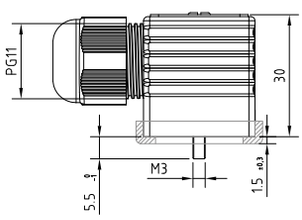
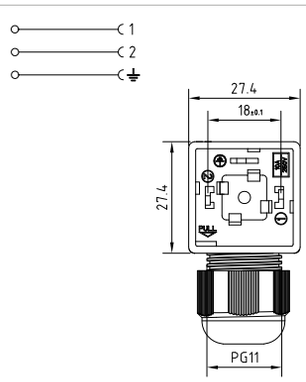
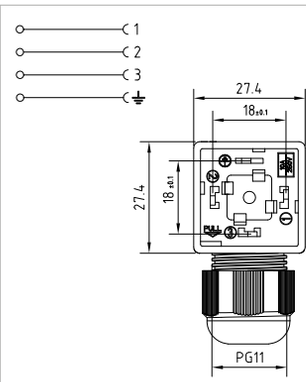
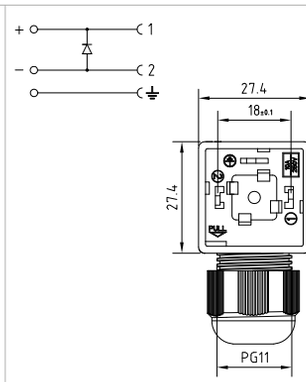
Product description									
DIN valve connectors	DIN valve connectors			DIN valve connectors			DIN valve connectors		
EN175301-803	EN175301-803			EN175301-803			EN175301-803		
A	A			A			A		
G1NU2R03	**G1NU2RV1**	**G1NU2RV2**	**G1NU2RV3**	**G1TU2RL1**	**G1TU2RL2**	**G1TU2RL3**	**G1TU3Q01**	**G1TU3Q02**	**G1TU3Q03**
Square connector G1 series complete with gasket and fixing screw. Connector with electronic.	Square connector G1 series complete with gasket and fixing screw. Connector with electronic.			Square connector G1 series complete with gasket and fixing screw. Connector with electronic.			Square connector G1 series complete with gasket and fixing screw. Connector with electronic.		
18mm	18mm			18mm			18mm		
2poles + P.E.	2poles + P.E.			2poles + P.E.			3poles + P.E.		
H.12 (turnable)	H.12 (turnable)			H.12 (turnable)			H.12 (turnable)		
Black	Black			Transparent			Transparent		
30mm	30mm			30mm			30mm		
PG9/PG11 unified	PG9/PG11 unified			PG9/PG11 unified			PG9/PG11 unified		
Profiled NBR gasket	Profiled NBR gasket			Profiled NBR gasket			Profiled NBR gasket		
Technical data									
Screw contacts	Screw contacts			Screw contacts			Screw contacts		
0.5 N*m	0.5 N*m			0.5 N*m			0.5 N*m		
1-230V AC	24V AC	115V AC	230V AC	24V AC	115V AC	230V AC	24V DC	115V DC	230V DC
Full-Wave Bidge Rectifier (1A)	Full-Wave Bridge Rectifier + Varistor			Full-Wave Bridge Rectifier + Varistor + Led			Bicolour Led + no.2 Diodes (1A)		
-	-			Red			Red (pin 2) ; Green (pin3)		
ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm			ø cable 4-8mm or ø cable 6.5-9.5mm			ø cable 4-8mm or ø cable 6.5-9.5mm		
M3 L=32.5mm	M3 L=32.5mm			M3 L=32.5mm			M3 L=32.5mm		
Iron+Zinc plated	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated		
0.5 N*m	0.5 N*m			0.5 N*m			0.5 N*m		
Packaging									
50pcs / box	50pcs / box			50pcs / box			50pcs / box		
Other accessories options									
See accessories section									
Notes:				Connector available with different led colour			Connector available with different led connection: Q8 circuit (Green pin 2; Red pin 3) Q1 circuit (Yellow pin 2; Green pin 3)		

HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS



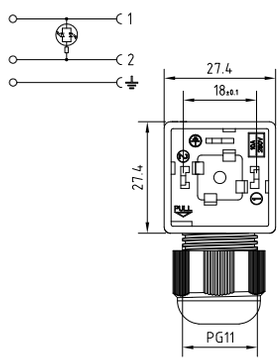


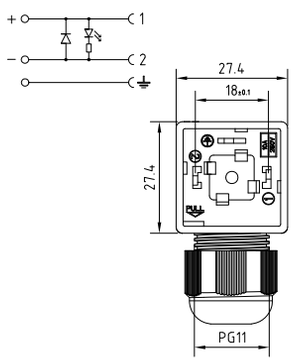
Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**G1NU2000-SK**	**G1NU3000-SK**	**G1NU2D03-SK**
Description	Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector without electronic.	Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black	Black
Housing height	30mm	30mm	30mm
Cable gland	SK- PG11	SK- PG11	SK- PG11
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data			
Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	Diode(1A)
Led colour	-	-	-
Suitable cable	ø cable 4-8.6mm	ø cable 4-8.6mm	ø cable 4-8.6mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
Qty/Box	50pcs / box	50pcs / box	50pcs / box
Other accessories options			
See accessories section			
Notes:			

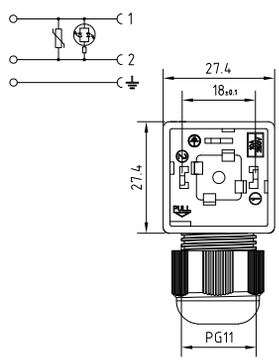
VALVE CONNECTORS











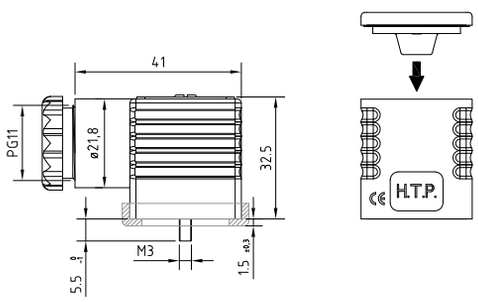
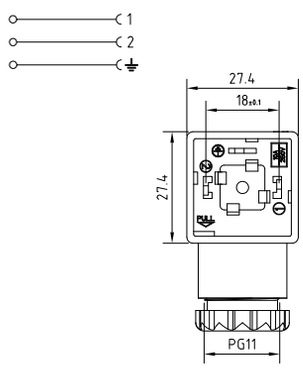
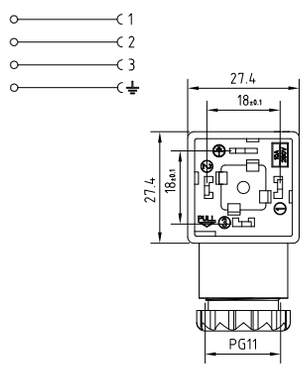
Product description		
DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803
A	A	A
G1TU2L01-SK **G1TU2L02-SK** **G1TU2L03-SK**	**G1TU2DL1-SK** **G1TU2DL2-SK** **G1TU2DL3-SK**	**G1TU2VL1-SK** **G1TU2VL2-SK** **G1TU2VL3-SK**
Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector with electronic.	Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector with electronic.	Square connector G1 series,SK cable exit, complete with gasket and fixing screw. Connector with electronic.
18mm	18mm	18mm
2poles + P.E.	2poles + P.E.	2poles + P.E.
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)
Transparent	Transparent	Transparent
30mm	30mm	30mm
SK- PG11	SK- PG11	SK- PG11
Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Screw contacts	Screw contacts	Screw contacts
0.5 N*m	0.5 N*m	0.5 N*m
24V AC/DC 115V AC/DC 230V AC/DC	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC
Bipolar Led	Led + Diode(1A)	Bipolar Led + Varistor
Red	Red	Red
ø cable 4-8.6mm	ø cable 4-8.6mm	ø cable 4-8.6mm
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
0.5 N*m	0.5 N*m	0.5 N*m
Packaging		
50pcs / box	50pcs / box	50pcs / box
Other accessories options		
See accessories section		
Notes: Connector available with different led colour		

HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS





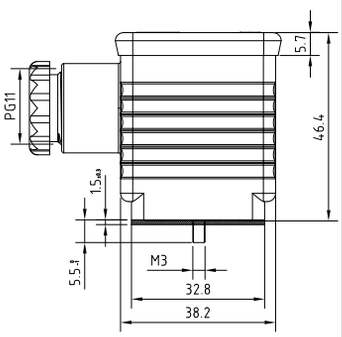
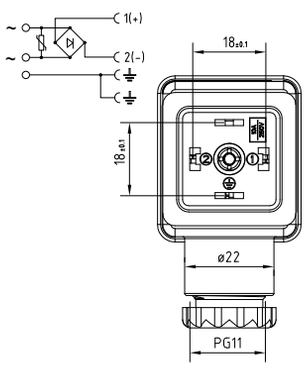
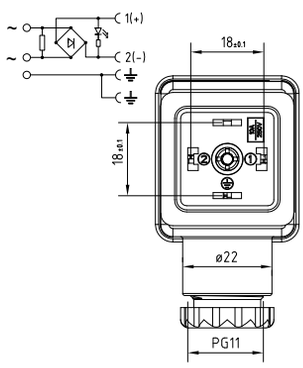
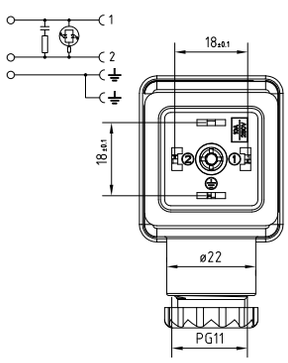
Technical drawing		
		
Product description		
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	A	A
Part number	**G1CNU2000**	**G1CNU3000**
Description	Square connector G1C series complete with gasket and fixing screw. Connector without electronic.	Square connector G1C series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing height	32.5mm	32.5mm
Cable gland	PG9/PG11 unified	PG9/PG11 unified
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250 AC/ 300V DC	250 AC/ 300V DC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 4-8mm or ø cable 6.5-9.5mm	ø cable 4-8mm or ø cable 6.5-9.5mm
Central fixing screw	M3 L=35.4mm	M3 L=35.4mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs in box	50pcs in box
Other accessories options		
See accessories section		
Notes:	Connector available with different circuits.	Connector available with different circuits.

VALVE CONNECTORS







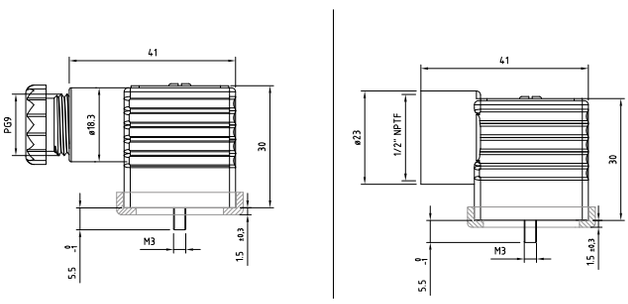
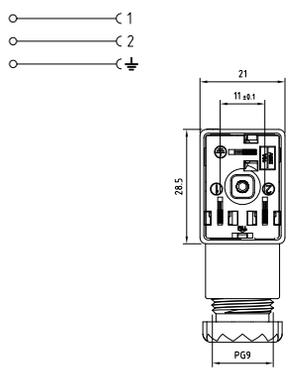
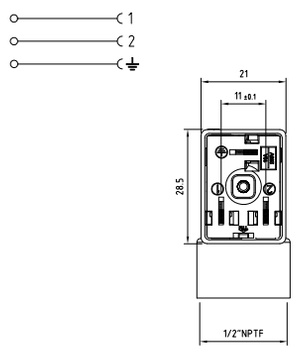
Technical drawing				
Product description				
Connector type	DIN valve connectors		DIN valve connectors		DIN valve connectors	
Conforms to	EN175301-803		EN175301-803		EN175301-803	
Construction type	A		A		A	
Part number	**G4NU2RV1-3A**	**G4NU2RV2-3A**	**G4NU2RV3-3A**	**G4TU2RL1-3A**	**G4TU2RL2-3A**	**G4TU2RL3-3A**	**G4TU2FL1-3A**	**G4TU2FL2-3A**	**G4TU2FL3-3A**
Description	Square connector G4 series complete with gasket and fixing screw. Connector with electronic (3A components).			Square connector G4 series complete with gasket and fixing screw. Connector with electronic (3A components).			Square connector G4 series complete with gasket and fixing screw. Connector with electronic (3A components).		
Contacts spacing	18mm			18mm			18mm		
Number of contacts	2poles + 2 P.E.			2poles + 2 P.E.			2poles + 2 P.E.		
Earth positioning	H.6-12			H.6-12			H.6-12		
Housing colour	Black / Black Cover			Black / Transparent Cover			Black / Transparent Cover		
Housing height	46.4mm			46.4mm			46.4mm		
Cable gland	PG9/PG11 unified			PG9/PG11 unified			PG9/PG11 unified		
Gasket type	Flat NBR gasket			Flat NBR gasket			Flat NBR gasket		
Technical data									
Type of termination	Screw contacts			Screw contacts			Screw contacts		
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Rated voltage	24V AC	115V AC	230V AC	24V AC	115V AC	230V AC	24V AC	115V AC	230V AC
Circuit type	Full-Wave Bridge Rectifier (3A)+ Varistor (3A)			Full-Wave Bridge Rectifier(3A) + Varistor(3A) + Led			RC circuit+ Led		
Led colour	-			Red			Red		
Suitable cable	ø cable 4-8mm or ø cable 6.5-9.5mm			ø cable 4-8mm or ø cable 6.5-9.5mm			ø cable 4-8mm or ø cable 6.5-9.5mm		
Central fixing screw	M3 L=42mm			M3 L=42mm			M3 L=42mm		
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated		
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Packaging									
Qty/Box	40pcs in box			40pcs in box			40pcs in box		
Other accessories options									
See accessories section									
Notes:				Connector available with different led colour			Connector available with different led colour		

HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS



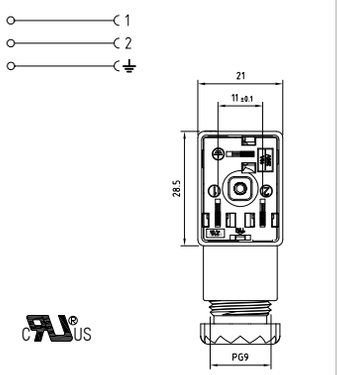


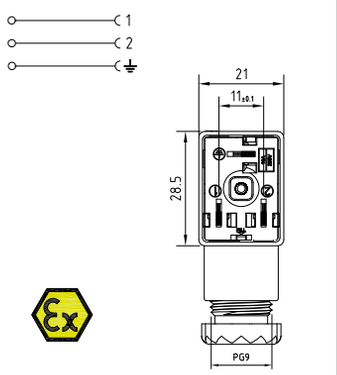
Technical drawing		
		
Product description		
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial
Construction type	B	B
Part number	**M1NS2000**	**M1NF2000**
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	11mm	11mm
Number of contacts	2poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing height	30mm	30mm
Cable gland	PG9	1/2" NPTF
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 4-8mm	-
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs / box	50pcs / box
Other accessories options		
See accessories section		
Notes:	Connector with Grey Housing: P/N M1GS2000	Connector with Grey Housing: P/N M1GF2000 Connector without press-cable screw

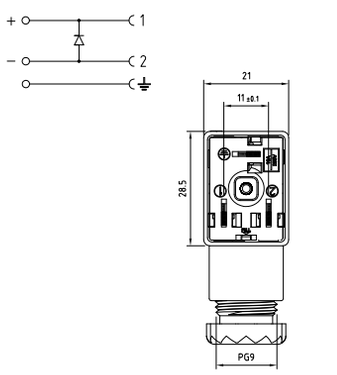
VALVE CONNECTORS

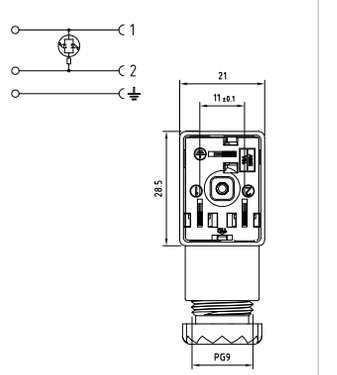










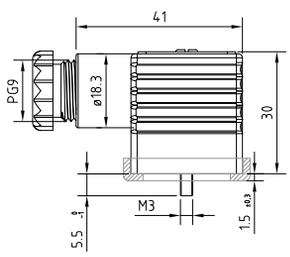
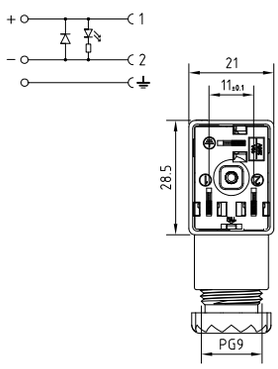
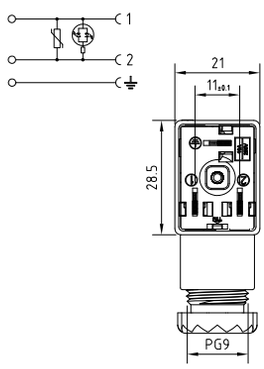
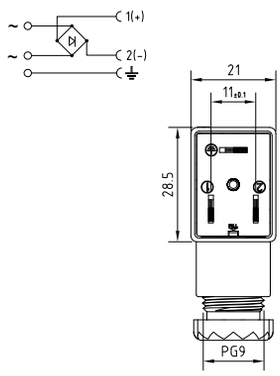
Product description					
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Industrial	Industrial	Industrial	Industrial		
B	B	B	B		
M1NS2000-UL	**M1NS2000-ATEX**	**M1NS2D03**	**M1TS2L01**	**M1TS2L02**	**M1TS2L03**
Rectangular connector M1 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.		
11mm	11mm	11mm	11mm		
2poles + P.E.	2poles + P.E.	2poles + P.E.	2poles + P.E.		
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)		
Black	Black	Black	Transparent		
30mm	30mm	30mm	30mm		
PG9	PG9	PG9	PG9		
Profiled NBR gasket	Flat Silicone gasket	Profiled NBR gasket	Profiled NBR gasket		
Technical data					
Screw contacts	Screw contacts	Screw contacts	Screw contacts		
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m		
250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC	24V AC/DC	115V AC/DC	230V AC/DC
-	-	Diode(1A)	Bipolar Led		
-	-	-	Red		
ø cable 4-8mm	ø cable 4-8mm	ø cable 4-8mm	ø cable 4-8mm		
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm		
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m		
Packaging					
50pcs / box	Singly paked in plastic bag	50pcs / box	50pcs / box		
Other accessories options					
See accessories section					
Notes: Connector available with different circuits.			Connector available with different led colour		

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VALVE CONNECTORS



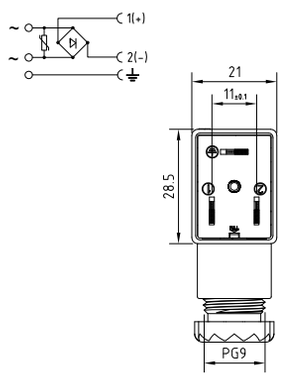


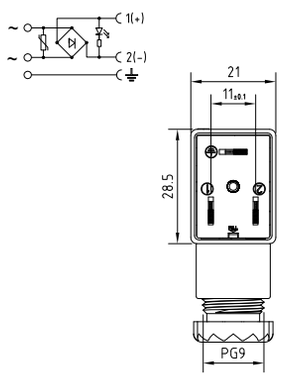
Technical drawing							
							
Product description							
Connector type	DIN valve connectors			DIN valve connectors			DIN valve connectors
Conforms to	Industrial			Industrial			Industrial
Construction type	B			B			B
Part number	**M1TS2DL1**	**M1TS2DL2**	**M1TS2DL3**	**M1TS2VL1**	**M1TS2VL2**	**M1TS2VL3**	**M1NS2R03**
Description	Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	11mm			11mm			11mm
Number of contacts	2poles + P.E.			2poles + P.E.			2poles + P.E.
Earth positioning	H.12 (turnable)			H.12 (turnable)			H.12 (turnable)
Housing colour	Transparent			Transparent			Black
Housing height	30mm			30mm			30mm
Cable gland	PG9			PG9			PG9
Gasket type	Profiled NBR gasket			Profiled NBR gasket			Profiled NBR gasket
Technical data							
Type of termination	Screw contacts			Screw contacts			Screw contacts
Contact screw torque	0.5 N*m			0.5 N*m			0.5 N*m
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	1-230V AC
Circuit type	Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bidge Rectifier (1A)
Led colour	Red			Red			-
Suitable cable	ø cable 4-8mm			ø cable 4-8mm			ø cable 4-8mm
Central fixing screw	M3 L=32.5mm			M3 L=32.5mm			M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m
Packaging							
Qty/Box	50pcs / box			50pcs / box			50pcs / box
Other accessories options							
See accessories section							
Notes:	Connector available with different led colour			Connector available with different led colour			

VALVE CONNECTORS









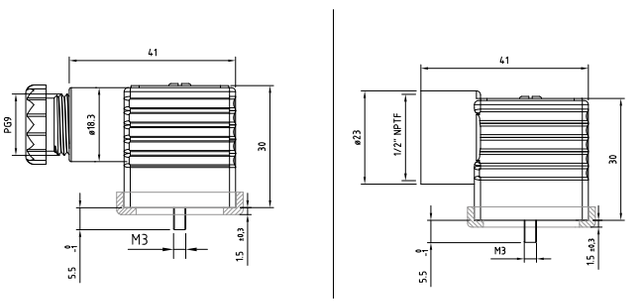
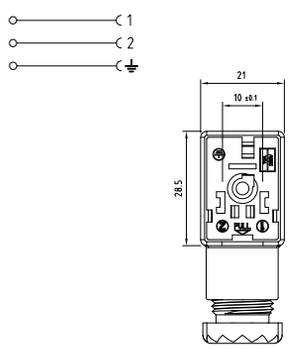
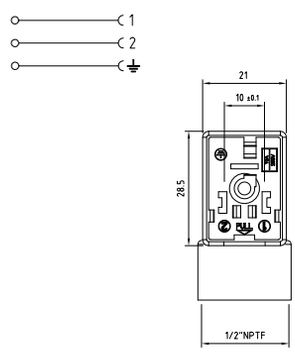
Product description							
DIN valve connectors			DIN valve connectors				
Industrial			Industrial				
B			B				
M1NS2RV1	**M1NS2RV2**	**M1NS2RV3**	**M1TS2RL1**	**M1TS2RL2**	**M1TS2RL3**		
Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector M1 series complete with gasket and fixing screw. Connector with electronic.				
11mm			11mm				
2poles + P.E.			2poles + P.E.				
H.12 (turnable)			H.12 (turnable)				
Black			Transparent				
30mm			30mm				
PG9			PG9				
Profiled NBR gasket			Profiled NBR gasket				
Technical data							
Screw contacts			Screw contacts				
0.5 N*m			0.5 N*m				
24V AC	115V AC	230V AC	24V AC	115V AC	230V AC		
Full-Wave Bridge Rectifier + Varistor			Full-Wave Bridge Rectifier + Varistor + Led				
-			Red				
ø cable 4-8mm			ø cable 4-8mm				
M3 L=32.5mm			M3 L=32.5mm				
Iron+Zinc plated			Iron+Zinc plated				
0.5 N*m			0.5 N*m				
Packaging							
50pcs / box			50pcs / box				
Other accessories options							
See accessories section							
Notes:			Connector available with different led colour				

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VALVE CONNECTORS



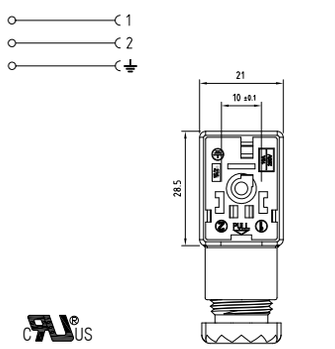


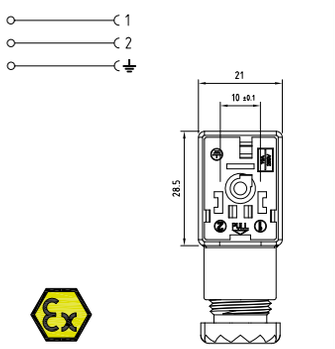
Technical drawing		
		
Product description		
Connector type	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	B	B
Part number	**M2NS2000**	**M2NF2000**
Description	Rectangular connector M2 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.
Earth positioning	H.12 (turnable)	H.12 (turnable)
Housing colour	Black	Black
Housing height	30mm	30mm
Cable gland	PG9	1/2"NPTF
Gasket type	Profiled NBR gasket	Profiled NBR gasket
Technical data		
Type of termination	Screw contacts	Screw contacts
Contact screw torque	0.5 N*m	0.5 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-
Led colour	-	-
Suitable cable	ø cable 4-8mm	ø cable 4-8mm
Central fixing screw	M3 L=32.5mm	M3 L=32.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m
Packaging		
Qty/Box	50pcs / box	50pcs / box
Other accessories options		
See accessories section		
Notes:	Connector with Grey Housing: P/N M2GS2000	Connector with Grey Housing: P/N M2GF2000 Connector without press-cable screw

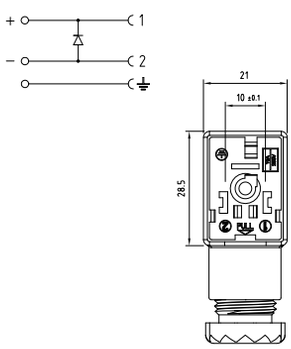
VALVE CONNECTORS

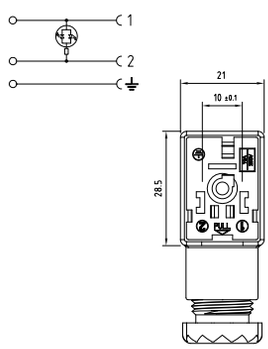










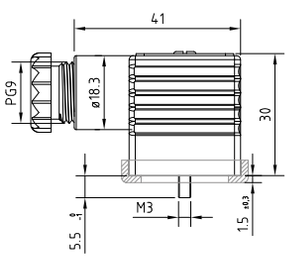
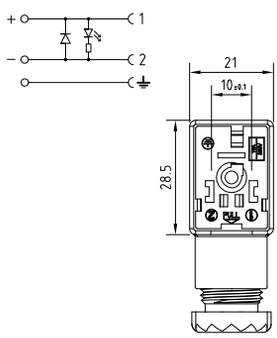
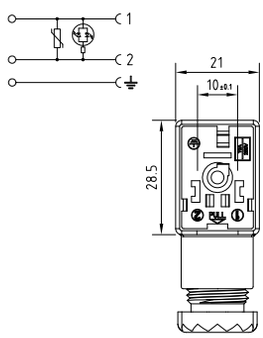
Product description					
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors		
EN175301-803	EN175301-803	EN175301-803	EN175301-803		
B	B	B	B		
M2NS2000-UL	**M2NS2000-ATEX**	**M2NS2D03**	**M2TS2L01**	**M2TS2L02**	**M2TS2L03**
Rectangular connector M2 series,ULapproved, complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M2 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.		
10mm	10mm	10mm	10mm		
2poles + P.E.	2poles + P.E.	2poles + P.E.	2poles + P.E.		
H.12 (turnable)	H.12 (turnable)	H.12 (turnable)	H.12 (turnable)		
Black	Black	Black	Transparent		
30mm	30mm	30mm	30mm		
PG9	PG9	PG9	PG9		
Profiled NBR gasket	Flat Silicone gasket	Profiled NBR gasket	Profiled NBR gasket		
Technical data					
Screw contacts	Screw contacts	Screw contacts	Screw contacts		
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m		
250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC	24V AC/DC	115V AC/DC	230V AC/DC
-	-	Diode(1A)	Bipolar Led		
-	-	-	Red		
ø cable 4-8mm	ø cable 4-8mm	ø cable 4-8mm	ø cable 4-8mm		
M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm	M3 L=32.5mm		
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m		
Packaging					
50pcs / box	Singly packed in plastic bag	50pcs / box	50pcs / box		
Other accessories options					
See accessories section					
Notes: Connector available with different circuits.			Connector available with different led colour		

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VALVE CONNECTORS



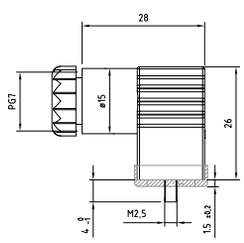
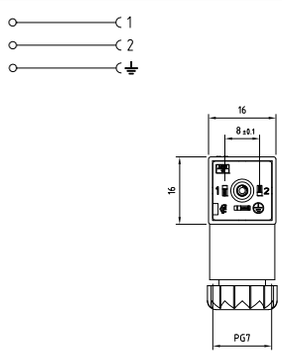
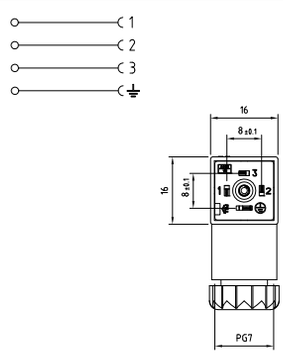
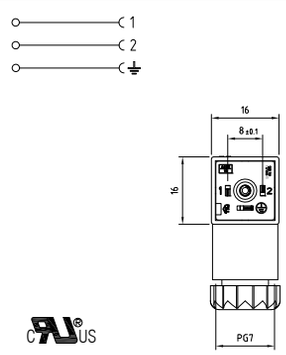


Technical drawing				
				
Product description				
Connector type	DIN valve connectors		DIN valve connectors	
Conforms to	EN175301-803		EN175301-803	
Construction type	B		B	
Part number	**M2TS2DL1** **M2TS2DL2** **M2TS2DL3**		**M2TS2VL1** **M2TS2VL2** **M2TS2VL3**	
Description	Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.		Rectangular connector M2 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	10mm		10mm	
Number of contacts	2poles + P.E.		2poles + P.E.	
Earth positioning	H.12 (turnable)		H.12 (turnable)	
Housing colour	Transparent		Transparent	
Housing height	30mm		30mm	
Cable gland	PG9		PG9	
Gasket type	Profiled NBR gasket		Profiled NBR gasket	
Technical data				
Type of termination	Screw contacts		Screw contacts	
Contact screw torque	0.5 N*m		0.5 N*m	
Rated voltage	24V DC 115V DC 230V DC		24V AC/DC 115V AC/DC 230V AC/DC	
Circuit type	Led + Diode(1A)		Bipolar Led + Varistor	
Led colour	Red		Red	
Suitable cable	ø cable 4-8mm		ø cable 4-8mm	
Central fixing screw	M3 L=32.5mm		M3 L=32.5mm	
Central fixing screw material	Iron+Zinc plated		Iron+Zinc plated	
Central screw torque	0.5 N*m		0.5 N*m	
Packaging				
Qty/Box	50pcs / box		50pcs / box	
Other accessories options				
See accessories section				
Notes:	Connector available with different led colour		Connector available with different led colour	

VALVE CONNECTORS





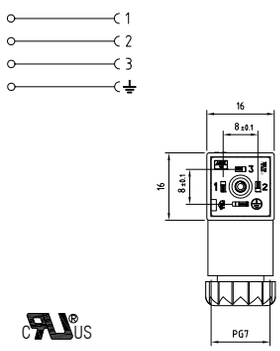
Technical drawing	 		
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	**P1NZ2000**	**P1NZ3000**	**P1NZ2000-UL**
Description	Square micro connector P1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series,ULapprov., complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)
Housing colour	Black	Black	Black
Housing height	26mm	26mm	26mm
Cable gland	PG7	PG7	PG7
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data			
Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.25 N*m	0.25 N*m	0.25 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-	-
Led colour	-	-	-
Suitable cable	ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm
Central fixing screw	M2.5 L=28mm	M2.5 L=28mm	M2.5 L=28mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.4 N*m	0.4 N*m	0.4 N*m
Packaging			
Qty/Box	100pcs / box	100pcs / box	100pcs / box
Other accessories options			
See accessories section			
Notes:	Connector with Grey Housing: P/N P1GZ2000	Connector with Grey Housing: P/N P1GZ3000	Connector available with different circuits.

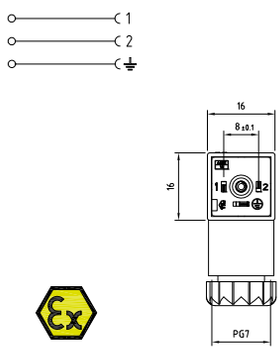
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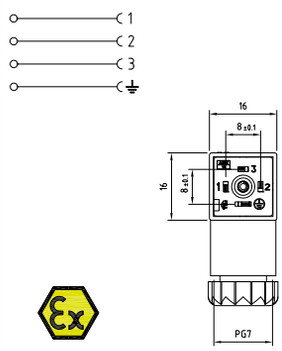
VALVE CONNECTORS

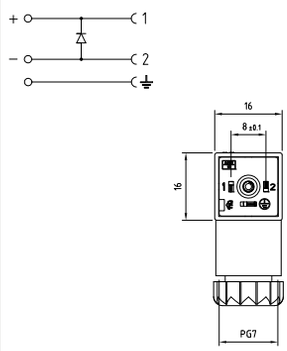








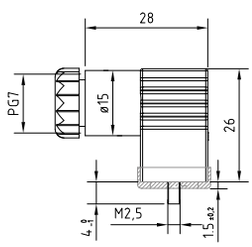
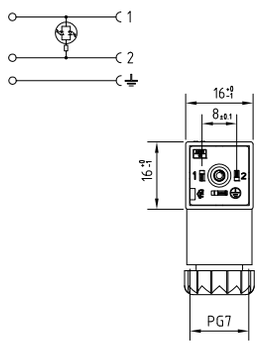
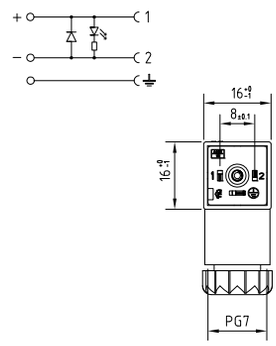
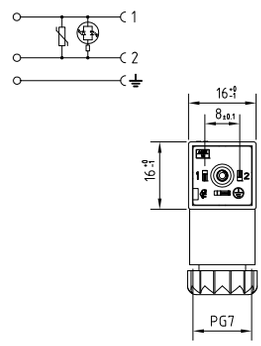


Product description			
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
C	C	C	C
P1NZ3000-UL	**P1NZ2000-ATEX**	**P1NZ3000-ATEX**	**P1NZ2D03**
Square micro connector P1 series,ULapprov., complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.
8mm	8mm	8mm	8mm
3poles + P.E.	2poles + P.E.	3poles + P.E.	2poles + P.E.
H.6 (turnable)	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)
Black	Black	Black	Black
26mm	26mm	26mm	26mm
PG7	PG7	PG7	PG7
Profiled NBR gasket	Flat Silicone gasket	Flat Silicone gasket	Flat Silicone gasket
Technical data			
Screw contacts	Screw contacts	Screw contacts	Screw contacts
0.25 N*m	0.25 N*m	0.25 N*m	0.25 N*m
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
-	-	-	Diode(1A)
-	-	-	-
ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm
M2.5 L=28mm	M2.5 L=28mm	M2.5 L=28mm	M2.5 L=28mm
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
0.4 N/m	0.4 N*m	0.4 N*m	0.4 N*m
Packaging			
100pcs / box	Singly packed in plastic bag	Singly packed in plastic bag	100pcs / box
Other accessories options			
See accessories section			
Notes: Connector available with different circuits.			

VALVE CONNECTORS





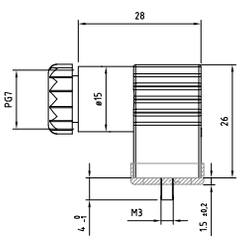
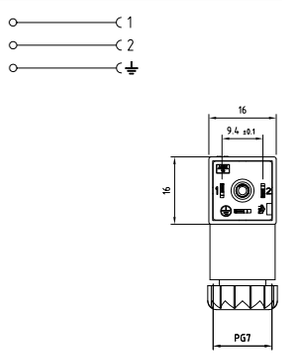
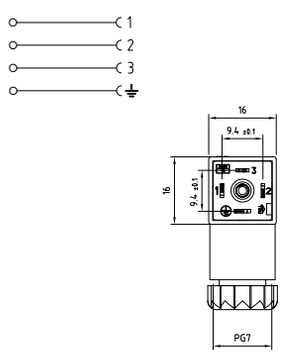
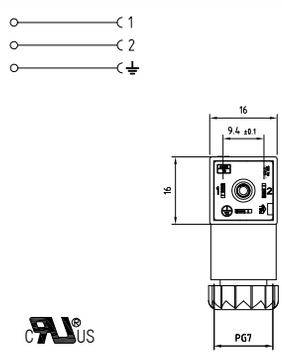
Technical drawing									
									
Product description									
Connector type	DIN valve connectors			DIN valve connectors			DIN valve connectors		
Conforms to	EN175301-803			EN175301-803			EN175301-803		
Construction type	C			C			C		
Part number	**P1TZ2L01**	**P1TZ2L02**	**P1TZ2L03**	**P1TZ2DL1**	**P1TZ2DL2**	**P1TZ2DL3**	**P1TZ2VL1**	**P1TZ2VL2**	**P1TZ2VL3**
Description	Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector P1 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	8mm			8mm			8mm		
Number of contacts	2poles + P.E.			2poles + P.E.			2poles + P.E.		
Earth positioning	H.6 (turnable)			H.6 (turnable)			H.6 (turnable)		
Housing colour	Transparent			Transparent			Transparent		
Housing height	26mm			26mm			26mm		
Cable gland	PG7			PG7			PG7		
Gasket type	Profiled NBR gasket			Profiled NBR gasket			Profiled NBR gasket		
Technical data									
Type of termination	Screw contacts			Screw contacts			Screw contacts		
Contact screw torque	0.25 N*m			0.25 N*m			0.25 N*m		
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC
Circuit type	Bipolar led			Led + Diode(1A)			Bipolar Led + Varistor		
Led colour	Red			Red			Red		
Suitable cable	ø cable 4-6mm			ø cable 4-6mm			ø cable 4-6mm		
Central fixing screw	M2.5 L=28mm			M2.5 L=28mm			M2.5 L=28mm		
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated		
Central screw torque	0.4 N*m			0.4 N*m			0.4 N*m		
Packaging									
Qty/Box	100pcs / box			100pcs / box			100pcs / box		
Other accessories options									
See accessories section									
Notes:	Connector available with different led colour			Connector available with different led colour			Connector available with different led colour		

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VALVE CONNECTORS



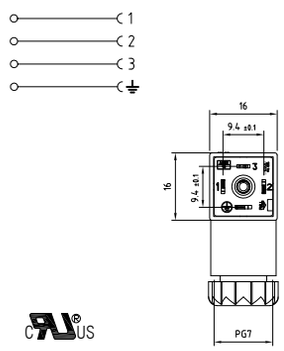
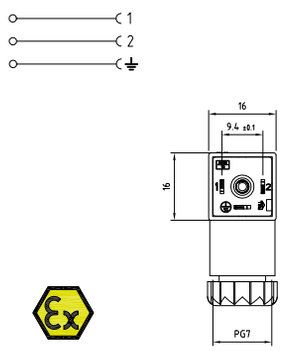
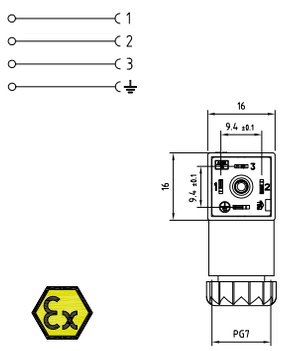
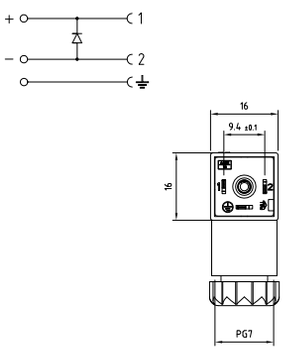


Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	**P2NZ2000**	**P2NZ3000**	**P2NZ2000-UL**
Description	Square micro connector P2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series,ULapprov., complete with gasket and fixing screw. Connector without electronic.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)
Housing colour	Black	Black	Black
Housing height	26mm	26mm	26mm
Cable gland	PG7	PG7	PG7
Gasket type	Profiled NBR gasket	Profiled NBR gasket	Profiled NBR gasket
Technical data			
Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.25 N*m	0.25 N*m	0.25 N*m
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Circuit type	-	-	-
Led colour	-	-	-
Suitable cable	ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm
Central fixing screw	M3 L=28mm	M3 L=28mm	M3 L=28mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
Qty/Box	100pcs / box	100pcs / box	100pcs / box
Other accessories options			
See accessories section			
Notes:	Connector with Grey Housing: P/N P2GZ2000	Connector with Grey Housing: P/N P2GZ3000	Connector available with different circuits.

VALVE CONNECTORS



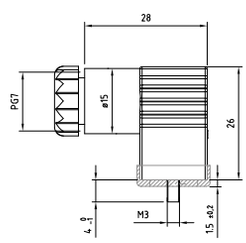
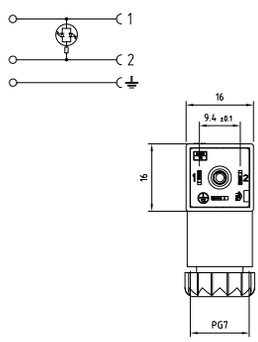
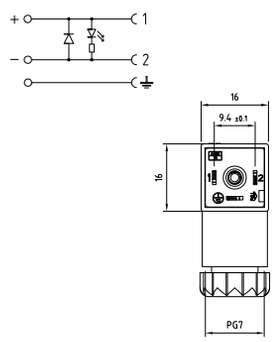
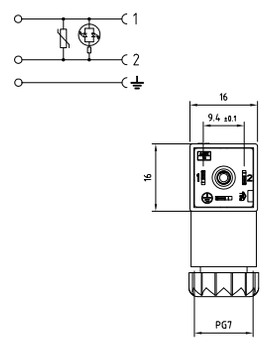



			
Product description			
DIN valve connectors	DIN valve connectors	DIN valve connectors	DIN valve connectors
Industrial	Industrial	Industrial	Industrial
C	C	C	C
P2NZ3000-UL	**P2NZ2000-ATEX**	**P2NZ3000-ATEX**	**P2NZ2D03**
Square micro connector P2 series,ULapprov., complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series,ATEX conform,complete with gasket and fixing screw. Connector without electronic.	Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.
9.4mm	9.4mm	9.4mm	9.4mm
3poles + P.E.	2poles + P.E.	3poles + P.E.	2poles + P.E.
H.6 (turnable)	H.6 (turnable)	H.6 (turnable)	H.6 (turnable)
Black	Black	Black	Black
26mm	26mm	26mm	26mm
PG7	PG7	PG7	PG7
Profiled NBR gasket	Flat Silicone gasket	Flat Silicone gasket	Profiled NBR gasket
Technical data			
Screw contacts	Screw contacts	Screw contacts	Screw contacts
0.25 N*m	0.25 N*m	0.25 N*m	0.25 N*m
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
-	-	-	Diode(1A)
-	-	-	-
ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm	ø cable 4-6mm
M3 L=28mm	M3 L=28mm	M3 L=28mm	M3 L=28mm
Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
0.5 N*m	0.5 N*m	0.5 N*m	0.5 N*m
Packaging			
100pcs / box	Singly packed in plastic bag	Singly packed in plastic bag	100pcs / box
Other accessories options			
See accessories section			
Notes: Connector available with different circuits.			

VALVE CONNECTORS





Technical drawing									
									
Product description									
Connector type	DIN valve connectors			DIN valve connectors			DIN valve connectors		
Conforms to	Industrial			Industrial			Industrial		
Construction type	C			C			C		
Part number	**P2TZ2L01**	**P2TZ2L02**	**P2TZ2L03**	**P2TZ2DL1**	**P2TZ2DL2**	**P2TZ2DL3**	**P2TZ2VL1**	**P2TZ2VL2**	**P2TZ2VL3**
Description	Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector P2 series complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	9.4mm			9.4mm			9.4mm		
Number of contacts	2poles + P.E.			2poles + P.E.			2poles + P.E.		
Earth positioning	H.6 (turnable)			H.6 (turnable)			H.6 (turnable)		
Housing colour	Transparent			Transparent			Transparent		
Housing height	26mm			26mm			26mm		
Cable gland	PG7			PG7			PG7		
Gasket type	Profiled NBR gasket			Profiled NBR gasket			Profiled NBR gasket		
Technical data									
Type of termination	Screw contacts			Screw contacts			Screw contacts		
Contact screw torque	0.25 N*m			0.25 N*m			0.25 N*m		
Rated voltage	24V AC/DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC
Circuit type	Bipolar led			Led + Diode(1A)			Bipolar Led + Varistor		
Led colour	Red			**Red**			Red		
Suitable cable	ø cable 4-6mm			ø cable 4-6mm			ø cable 4-6mm		
Central fixing screw	M3 L=28mm			M3 L=28mm			M3 L=28mm		
Central fixing screw material	Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated		
Central screw torque	0.5 N*m			0.5 N*m			0.5 N*m		
Packaging									
Qty/Box	100pcs / box			100pcs / box			100pcs / box		
Other accessories options									
See accessories section									
Notes:	Connector available with different led colour			Connector available with different led colour			Connector available with different led colour		

VALVE CONNECTORS

GENERAL FEATURES:

Conductor cross section :
0.34(22AWG) ... 1.50mm²(16AWG).

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
CG1-CM1-CM2-CP2 series: Max. 0.5 N * m.
CP1 series: Max. 0.4 N * m.

Type of terminations :
To solder.

Contact material and treatment :
Brass + Silver plated.

Housing material :
Polypropylene.

Internal core material :
PA66.

Flammability resistance :
UL94-V2 - Standard

Protection class :
IP67.

Operating temperature :
-25°C +90°C (connector).
(NBR gasket -40°C +90°C).
(Silicone gasket -40°C +125°C).

Nominal current :
10A (CP1-CP2 series: 6A).

Max contact current :
16A (CP1-CP2 series: 10A).

CG1	N	0	2	00	0	C	02	2	-	##

SERIES
CG1 : EN175301-803 form A (18mm).
CBG1 : EN175301-803 form A (18mm)with MALE contacts.
CG5 : form A (18mm) height ~33mm.
CGB : EN175301-803 form A (18mm) EXIT CABLE 180°.
CBGB : EN175301-803 form A (18mm) EXIT CABLE 180° WITH MALE CONTACTS.
CM1 : INDUSTRIAL form B (11mm).
CM2 : EN175301-803 form B (10mm).
CM1B: INDUSTRIAL form B (11mm) EXIT CABLE 180°.
CP1 : EN175301-803 form C (8mm).
CBP1: EN175301-803 form C (8mm) WITH MALE CONTACTS.
CP2 : MICRO INDUSTRIAL form C (9.4mm).
CBP2: MICRO INDUSTRIAL form C (9.4mm) WITH MALE CONTACTS.
CP2C: MICRO INDUSTRIAL form C (9.4mm) EXIT CABLE 180°.

COLOUR
G : GREY. **N** : BLACK (STANDARD).

CABLE EXIT
0 : MOULDED CABLE.

POLES No.
2 : 2POLES + EARTH. **3** : 3POLES + EARTH.

CIRCUIT TYPE
SEE CIRCUITS FEATURES PAGE.

VOLTAGE
0 : 250V / 300V. **1** : 24V. **2** : 115V. **3** : 230V. **4** : 12V. **5** : 48V.

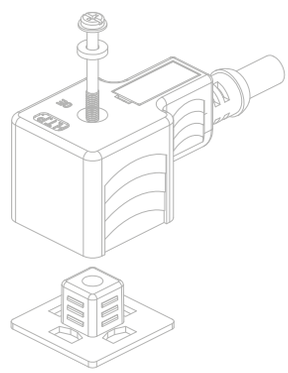
EARTH POSITION
A : H.6. **B** : H.12. **C** : DOUBLE H.6-12. **D** : H.3. **E** : H.9. **F** : DOUBLE H. 3-9.

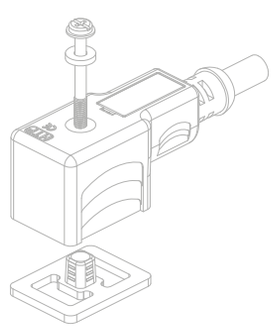
CABLE TYPE
SEE CABLES FEATURES PAGE.

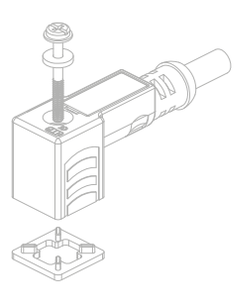
CABLE LENGTH
1 : 1m
2 : 2m
3 : 3m
...
A : +10cm
B : +20cm
C : +30cm
...
I : +90cm

EXAMPLE: "...2C" = 2.3m
"...2F" = 2.6m
"...2I" = 2.9m

SOME VARIABLES
L : PROFILED GASKET. **SS** : STAINLESS STEEL SCREW. **Y** : WITHOUT H.T.P.LOGO.
4D : BRIDGE RECTIFIER WITH 4 DIODES. **3A** : ELECTRONIC COMPONENTS 3A.
12MA3 : EXTENSION M12 MALE 90° 3p. **12MD3** : EXTENSION M12 MALE 180° 3p.
12FA3 : EXTENSION M12 FEMALE 90° 3p. **12FD3** : EXTENSION M12 FEMALE 180° 3p.

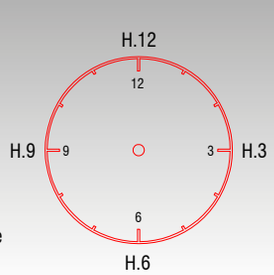


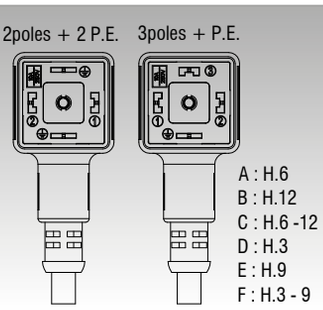




EARTH PIN POSITION

Earth pin position for the DIN43650 valve connectors with moulded cable has to be specified because its internal core is fixed.
The internal core cannot rotate as in the field attachable connectors.
To define the earth pin position it is necessary to look at the face view of the connector with the cable exit side down.
To easily identify the earth pin position you can compare the face view of the connector to a clock face view.





A : H.6
B : H.12
C : H.6 -12
D : H.3
E : H.9
F : H.3 - 9

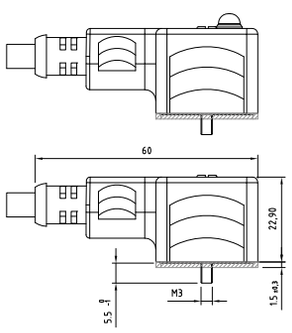
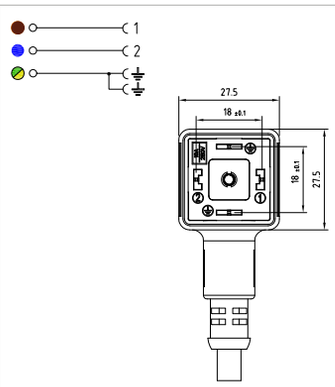
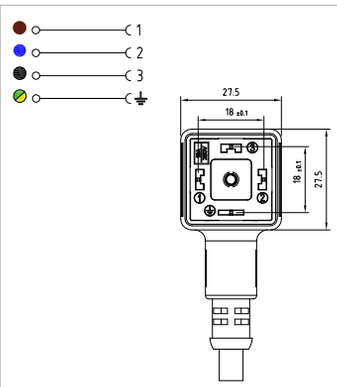
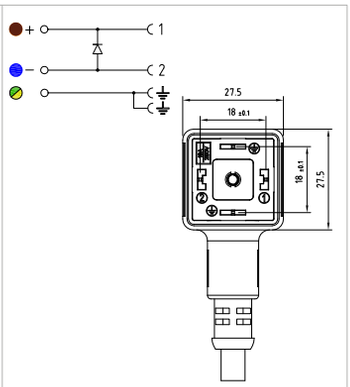
STANDARD CONNECTION:

2 P. + 2 P.E.:
1 : BROWN
2 : BLUE
P.E. : YELLOW-GREEN

3 P. + P.E.:
1 : BROWN
2 : BLUE
3 : BLACK
P.E. : YELLOW-GREEN

VALVE CONNECTORS

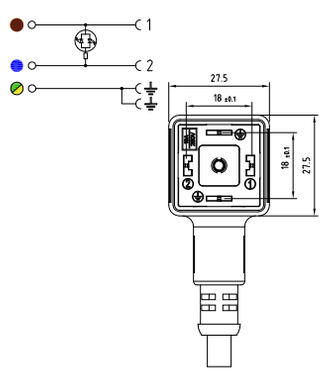


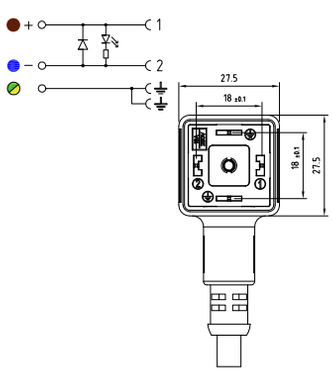
Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**CG1N02000C021**	**CG1N03000AB21**	**CG1N02D03C021**
Description	Square connector CG1 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	Diode(1A)
Led colour	-	-	-
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.75mm²	4G0.75mm²	3G0.75mm²
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options			
See accessories section			
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section			

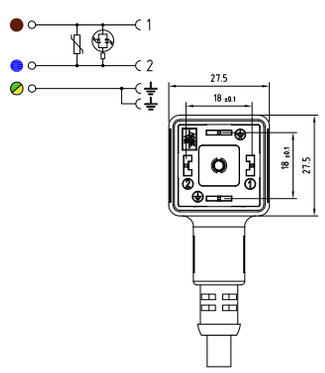
VALVE CONNECTORS

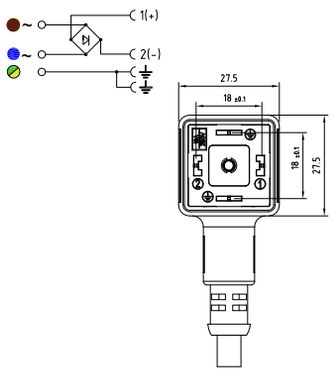










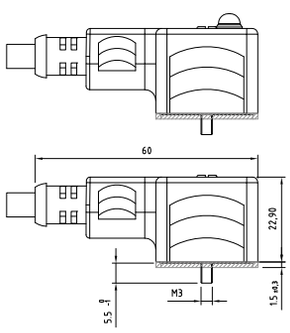
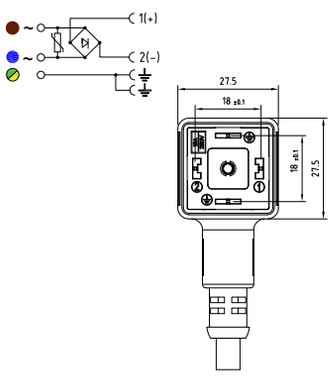
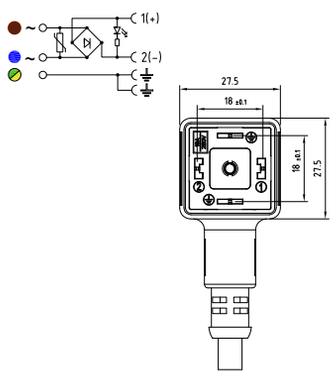
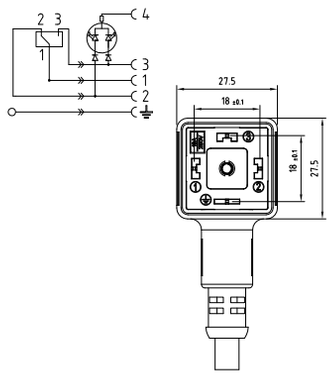
Product description										
DIN valve connectors			DIN valve connectors			DIN valve connectors			DIN valve connectors	
EN175301-803			EN175301-803			EN175301-803			EN175301-803	
A			A			A			A	
CG1N02L01C021	**CG1N02L02C021**	**CG1N02L03C021**	**CG1N02DL1C021**	**CG1N02DL2C021**	**CG1N02DL3C021**	**CG1N02VL1C021**	**CG1N02VL2C021**	**CG1N02VL3C021**	**CG1N02R03C021**	
Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.			Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.			Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.			Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	
18mm			18mm			18mm			18mm	
2poles + 2P.E.			2poles + 2P.E.			2poles + 2P.E.			2poles + 2P.E.	
H.6-12			H.6-12			H.6-12			H.6-12	
Black			Black			Black			Black	
22.9mm			22.9mm			22.9mm			22.9mm	
Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket	
Technical data										
24V AC/ DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	**24V AC/ DC**	115V AC/DC	230V AC/DC	1-230V AC	
Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bridge Rectifier	
Red			Red			Red			-	
M3 L=25mm			M3 L=25mm			M3 L=25mm			M3 L=25mm	
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated	
0.5 N*m			0.5 N*m			0.5 N*m			0.5 N*m	
PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF	
Black			Black			Black			Black	
3G0.75mm²			3G0.75mm²			3G0.75mm²			3G0.75mm²	
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green	
ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)	
1m			1m			1m			1m	
Packaging										
Variable according cable length.			Variable according cable length.			Variable according cable length.			Variable according cable length.	
Other accessories options										
See accessories section										
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section										

HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS



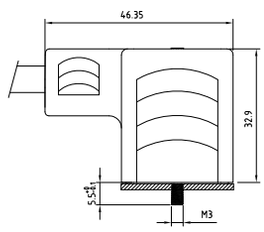
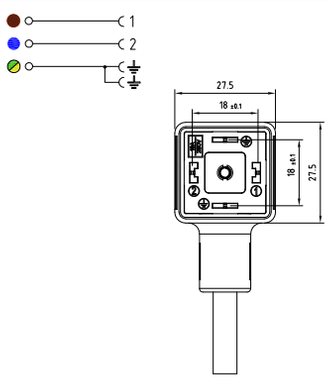
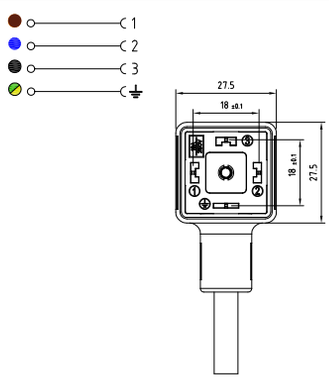


Technical drawing			
			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**CG1N02RV1C021** **CG1N02RV2C021** **CG1N02RV3C021**	**CG1N02RL1C021** **CG1N02RL2C021** **CG1N02RL3C021**	**CG1N03Q01AB21** **CG1N03Q01AB21** **CG1N03Q01AB21**
Description	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.	Square connector CG1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	3poles + P.E.
Earth positioning	H.6-12	H.6-12	H.6
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Technical data			
Rated voltage	24V AC / 115V AC / 230V AC	24V AC / 115V AC / 230V AC	24V DC / 115V DC / 230V DC
Circuit type	Full-Wave Bridge Rectifier + Varistor	Full-Wave Bridge Rectifier + Varistor + Led	Bicolour Led + no.2 Diodes (1A)
Led colour	-	Red	Red (pin 2) ; Green (pin3)
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.75mm²	3G0.75mm²	4G0.75mm²
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green
Cable diameter	ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø7mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options			
See accessories section			
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section			Connector available with different led connection: Q8 circuit (Green pin 2; Red pin 3) Q1 circuit (Yellow pin 2; Green pin 3)

VALVE CONNECTORS





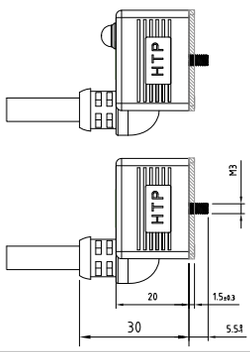
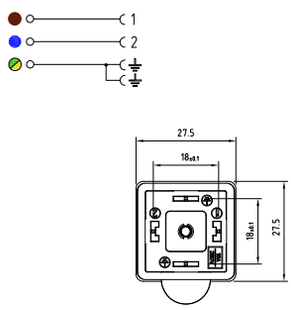
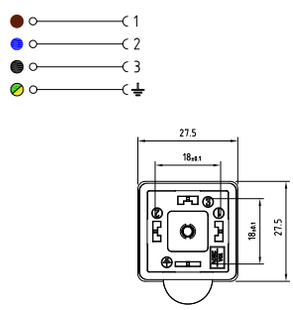
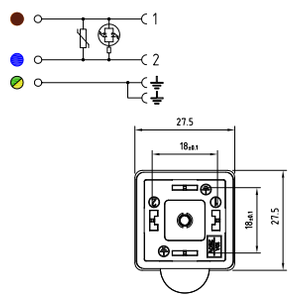
Technical drawing			
			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	
Conforms to	EN175301-803	EN175301-803	
Construction type	A	A	
Part number	**CG5N02000C021**	**CG5N03000AB21**	
Description	Square connector CG5 series complete with gasket and fixing screw. Connector without electronic.	Square connector CG5 series complete with gasket and fixing screw. Connector without electronic.	
Contacts spacing	18mm	18mm	
Number of contacts	2poles + 2P.E.	3poles + 2P.E.	
Earth positioning	H.6-12	H.6	
Housing colour	Black	Black	
Housing height	32.9mm	32.9mm	
Gasket type	Integrated NBR gasket	Integrated NBR gasket	
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Circuit type	-	-	
Led colour	-	-	
Central fixing screw	M3 L=35mm	M3 L=35mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	
Cable jacket colour	Black	Black	
No.Conductors / Section	3G0.75mm²	4G0.75mm²	
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	
Cable length	1m	1m	
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	
Other accessories options			
See accessories section			
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section			

HIGH TECH PRODUCTS S.R.L.

VALVE CONNECTORS



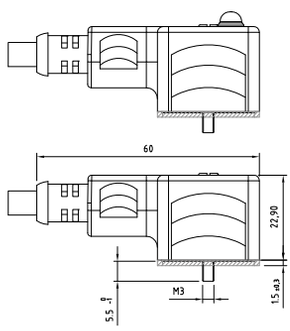
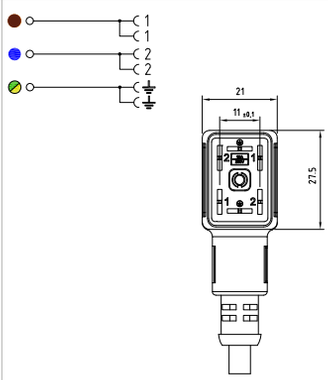
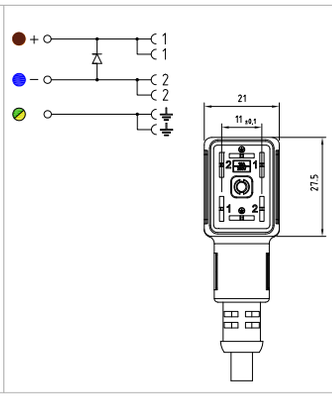
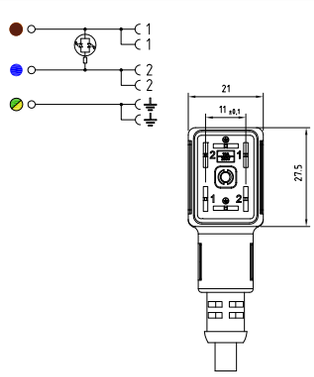


Technical drawing			
			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**CGBN02000C021**	**CGBN03000AB21**	**CGBN02VL1C021** / **CGBN02VL2C021** / **CGBN02VL3C021**
Description	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square connector CGB series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	20mm	20mm	20mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	**24V AC/ DC** / 115V AC/DC / 230V AC/DC
Circuit type	-	-	Bipolar Led + Varistor
Led colour	-	-	Red
Central fixing screw	M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.75mm²	4G0.75mm²	3G0.75mm²
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options			
See accessories section			
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section			

VALVE CONNECTORS



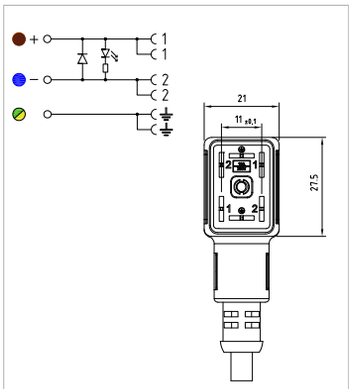
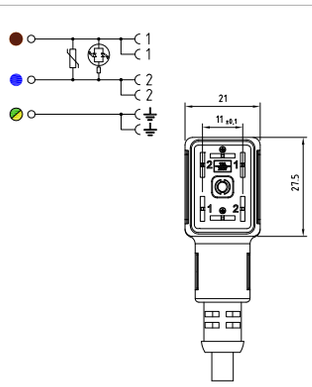
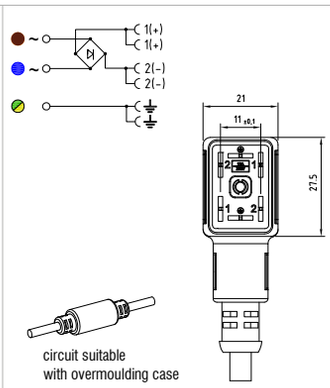


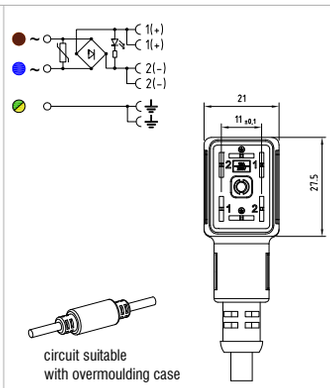
Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors	
Conforms to	Industrial	Industrial	Industrial	
Construction type	B	B	B	
Part number	**CM1N02000C021**	**CM1N02D03C021**	**CM1N02L01C021**	**CM1N02L02C021** / **CM1N02L03C021**
Description	Rectangular connector CM1 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	
Contacts spacing	11mm	11mm	11mm	
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.	
Earth positioning	H.6-12	H.6-12	H.6-12	
Housing colour	Black	Black	Black	
Housing height	22.9mm	22.9mm	22.9mm	
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket	
Technical data				
Rated voltage	250V AC/ 300VDC	1-230V DC	**24V AC/ DC**	115V AC/DC / 230V AC/DC
Circuit type	-	Diode(1A)	Bipolar Led	
Led colour	-	-	Red	
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm	
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated	
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m	
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	
Cable jacket colour	Black	Black	Black	
No.Conductors / Section	3G0.75mm²	3G0.75mm²	3G0.75mm²	
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	
Cable diameter	ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)	
Cable length	1m	1m	1m	
Packaging				
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.	
Other accessories options				
See accessories section				
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section				

VALVE CONNECTORS





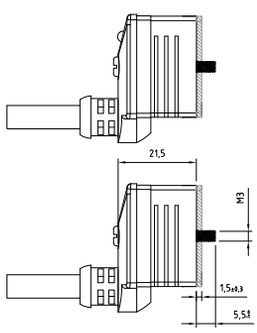
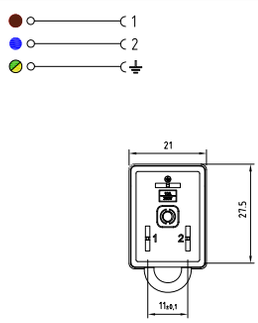
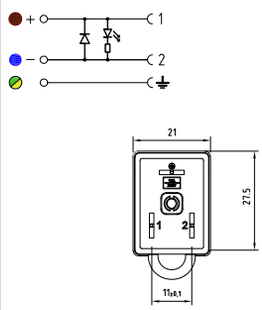
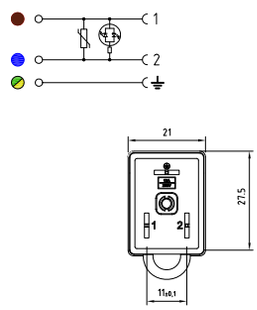


Product description									
DIN valve connectors			DIN valve connectors			DIN valve connectors	DIN valve connectors		
Industrial			Industrial			Industrial	Industrial		
B			B			B	B		
CM1N02DL1C021	**CM1N02DL2C021**	**CM1N02DL3C021**	**CM1N02VL1C021**	**CM1N02VL2C021**	**CM1N02VL3C021**	**CM1N02R03C021**	**CM1N02RL1C021**	**CM1N02RL2C021**	**CM1N02RL3C021**
Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM1 series complete with gasket and fixing screw. Connector with electronic.		
11mm			11mm			11mm	11mm		
2poles + 2P.E.			2poles + 2P.E.			2poles + 2P.E.	2poles + 2P.E.		
H.6-12			H.6-12			H.6-12	H.6-12		
Black			Black			Black	Black		
22.9mm			22.9mm			22.9mm	22.9mm		
Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket	Integrated NBR gasket		
Technical data									
24V DC	115V DC	230V DC	**24V AC/ DC**	115V AC/DC	230V AC/DC	1-230V AC	24V AC	115V AC	230V AC
Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bridge Rectifier	Full-Wave Bridge Rectifier + Varistor + Led		
Red			Red			-	Red		
M3 L=25mm			M3 L=25mm			M3 L=25mm	M3 L=25mm		
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated	Iron+Zinc plated		
0.5 N*m			0.5 N*m			0.5 N*m	0.5 N*m		
PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF		
Black			Black			Black	Black		
3G0.75mm²			3G0.75mm²			3G0.75mm²	3G0.75mm²		
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green		
ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)	ø6.7mm (±0.3)		
1m			1m			1m	1m		
Packaging									
Qty/Box			Variable according cable length.			Variable according cable length.	Variable according cable length.		
Other accessories options									
See accessories section									
Notes:									
Connector available with different feautures: See the cable codification scheme page See the cables list section									

VALVE CONNECTORS





Technical drawing			
			

Product description								
Connector type	DIN valve connectors	DIN valve connectors			DIN valve connectors		
Conforms to	Industrial	Industrial			Industrial		
Construction type	B	B			B		
Part number	**CM1BN02000B021**	**CM1BN02DL1B021**	**CM1BN02DL2B021**	**CM1BN02DL3B021**	**CM1BN02VL1B021**	**CM1BN02VL2B021**	**CM1BN02VL3B021**
Description	Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.			Rectangular connector CM1B series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	11mm	11mm			11mm		
Number of contacts	2poles + P.E.	2poles + P.E.			2poles + P.E.		
Earth positioning	H.12	H.12			H.12		
Housing colour	Black	Black			Black		
Housing height	21.5mm	21.5mm			21.5mm		
Gasket type	Integrated NBR gasket	Integrated NBR gasket			Integrated NBR gasket		
Technical data							
Rated voltage	250V AC/ 300VDC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC
Circuit type	-	Led + Diode(1A)			Bipolar Led + Varistor		
Led colour	-	Red			Red		
Central fixing screw	M3 L=26mm	M3 L=26mm			M3 L=26mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated			Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m			0.5 N*m		
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF		
Cable jacket colour	Black	Black			Black		
No.Conductors / Section	3G0.75mm²	3G0.75mm²			3G0.75mm²		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green		
Cable diameter	ø6.7mm (±0.3)	ø6.7mm (±0.3)			ø6.7mm (±0.3)		
Cable length	1m	1m			1m		
Packaging							
Qty/Box	Variable according cable length.	Variable according cable length.			Variable according cable length.		
Other accessories options							
See accessories section							

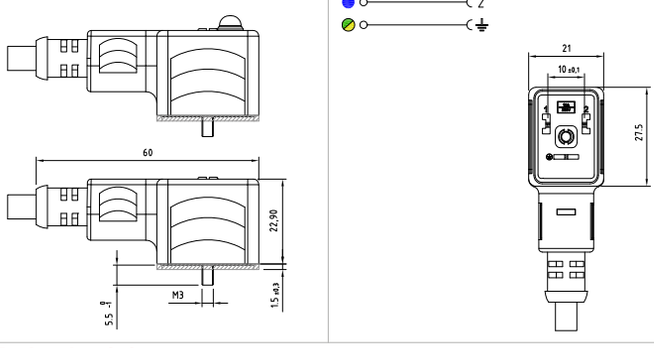
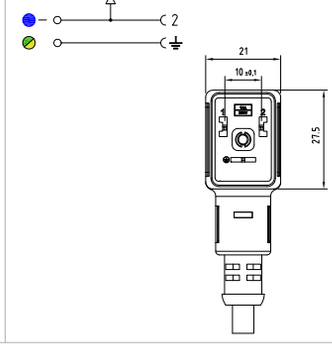
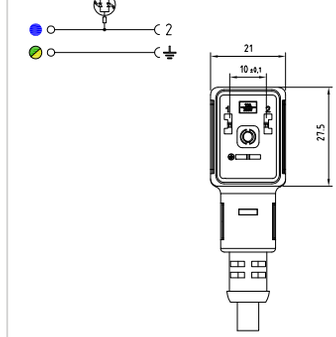
Notes:
Connector available with different feautures:
See the cable codification scheme page
See the cables list section

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VALVE CONNECTORS



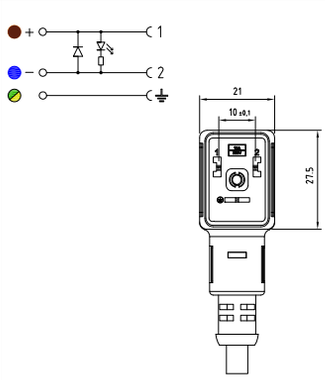


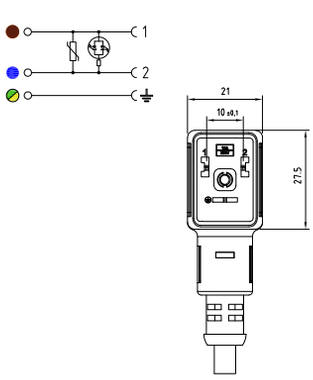
Technical drawing			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	B	B	B
Part number	**CM2N02000A021**	**CM2N02D03A021**	**CM2N02L01A021** / **CM2N02L02A021** / **CM2N02L03A021**
Description	Rectangular connector CM2 series complete with gasket and fixing screw. Connector without electronic.	Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.	Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	10mm	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6	H.6	H.6
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	1-230V DC	24V AC/ DC / 115V AC/DC / 230V AC/DC
Circuit type	-	Diode(1A)	Bipolar Led
Led colour	-	-	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.75mm²	3G0.75mm²	3G0.75mm²
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø6.7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options			
See accessories section			
Notes:			
Connector available with different feautures: See the cable codification scheme page See the cables list section			

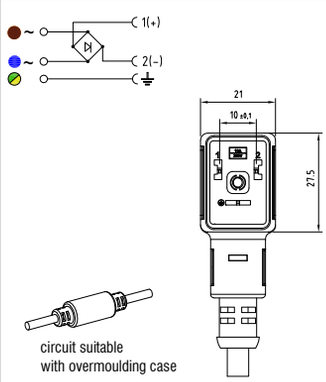
VALVE CONNECTORS











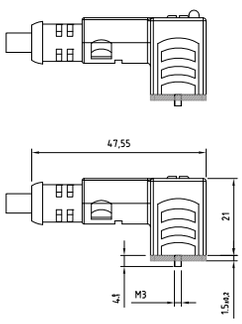
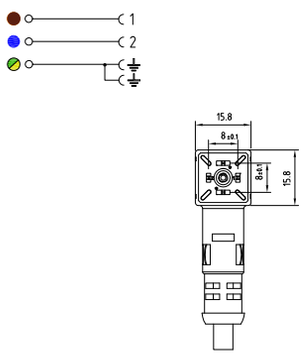
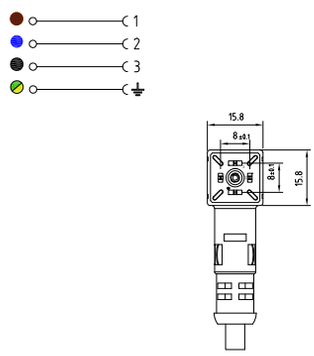
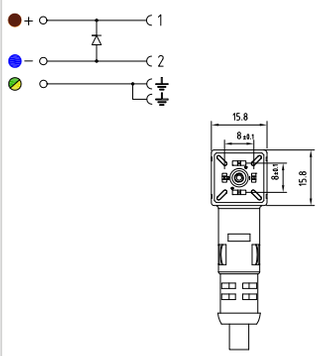
Product description							
DIN valve connectors			DIN valve connectors			DIN valve connectors	
EN175301-803			EN175301-803			EN175301-803	
B			B			B	
CM2N02DL1A021	**CM2N02DL2A021**	**CM2N02DL3A021**	**CM2N02VL1A021**	**CM2N02VL2A021**	**CM2N02VL3A021**	**CM2N02R03A021**	
Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.			Rectangular connector CM2 series complete with gasket and fixing screw. Connector with electronic.	
10mm			10mm			10mm	
2poles + P.E.			2poles + P.E.			2poles + P.E.	
H.6			H.6			H.6	
Black			Black			Black	
22.9mm			22.9mm			22.9mm	
Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket	
Technical data							
24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	1-230V AC	
Led + Diode(1A)			Bipolar Led + Varistor			Full-Wave Bridge Rectifier	
Red			Red			-	
M3 L=25mm			M3 L=25mm			M3 L=25mm	
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated	
0.5 N*m			0.5 N*m			0.5 N*m	
PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF			PVC/PVC IEC332-1 H05VVF	
Black			Black			Black	
3G0.75mm²			3G0.75mm²			3G0.75mm²	
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green	
ø6.7mm (±0.3)			ø6.7mm (±0.3)			ø6.7mm (±0.3)	
1m			1m			1m	
Packaging							
Qty/Box			Variable according cable length.			Variable according cable length.	
Other accessories options							
See accessories section							
Notes:							
Connector available with different feautures: See the cable codification scheme page See the cables list section							

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VALVE CONNECTORS



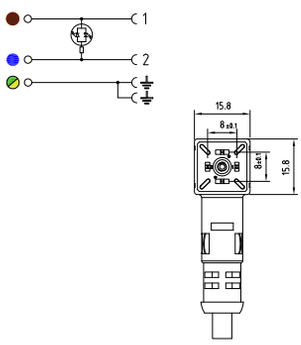


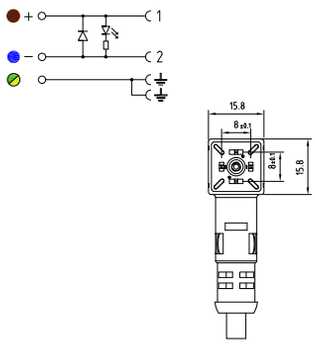
Technical drawing				
Product description				
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	**CP1N02000C011**	**CP1N03000AB11**	**CP1N02D03C011**
Description	Square micro connector CP1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP1 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	-
Led colour	-	-	-
Central fixing screw	M2.5 L=22.5mm	M2.5 L=22.5mm	M2.5 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.4 N*m	0.4 N*m	0.4 N*m
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.5mm^2	4G0.5mm^2	3G0.5mm^2
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options			
See accessories section			
Notes:			
Connector available with different feautures: See the cable codification scheme page See the cables list section			

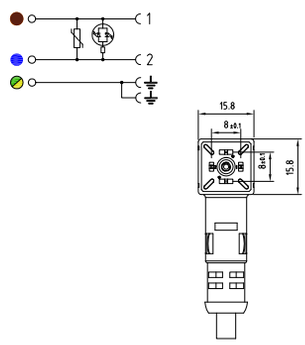
VALVE CONNECTORS











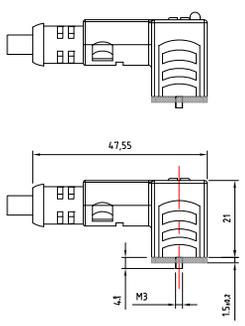
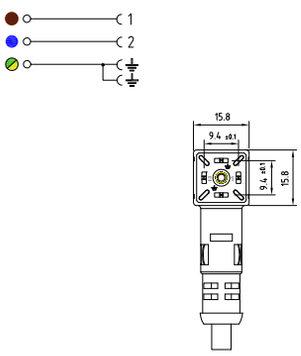
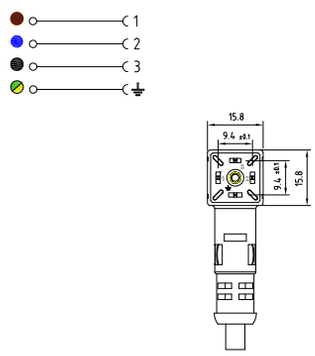
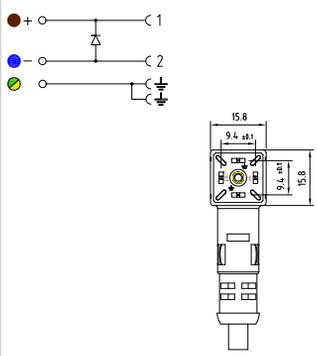
Product description									
DIN valve connectors			DIN valve connectors			DIN valve connectors			
EN175301-803			EN175301-803			EN175301-803			
C			C			C			
CP1N02L01C011	**CP1N02L02C011**	**CP1N02L03C011**	**CP1N02DL1C011**	**CP1N02DL2C011**	**CP1N02DL3C011**	**CP1N02VL1C011**	**CP1N02VL2C011**	**CP1N02VL3C011**	
Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.			Square micro connector CP1 series complete with gasket and fixing screw. Connector with electronic.			
8mm			8mm			8mm			
2poles + 2P.E.			2poles + 2P.E.			2poles + 2P.E.			
H.6-12			H.6-12			H.6-12			
Black			Black			Black			
21mm			21mm			21mm			
Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket			
Technical data									
24V AC/ DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	
Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor			
Red			Red			Red			
M2.5 L=22.5mm			M2.5 L=22.5mm			M2.5 L=22.5mm			
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated			
0.4 N/m			0.4 N/m			0.4 N/m			
PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			
Black			Black			Black			
3G0.5mm^2			3G0.5mm^2			3G0.5mm^2			
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			
ø5mm (±0.3)			ø5mm (±0.3)			ø5mm (±0.3)			
1m			1m			1m			
Packaging									
Variable according cable length.			Variable according cable length.			Variable according cable length.			
Other accessories options									
See accessories section									
Notes:									
Connector available with different feautures: See the cable codification scheme page See the cables list section									

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VALVE CONNECTORS



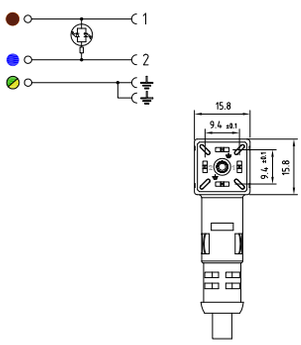


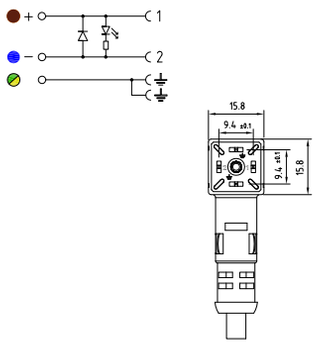
Technical drawing			
			
Product description			
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	**CP2N02000C011**	**CP2N03000AB11**	**CP2N02D03C011**
Description	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2 series complete with gasket and fixing screw. Connector with electronic.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	1-230V DC
Circuit type	-	-	-
Led colour	-	-	-
Central fixing screw	M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF
Cable jacket colour	Black	Black	Black
No.Conductors / Section	3G0.5mm^2	4G0.5mm^2	3G0.5mm^2
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.
Other accessories options			
See accessories section			
Notes:			
Connector available with different feautures: See the cable codification scheme page See the cables list section			

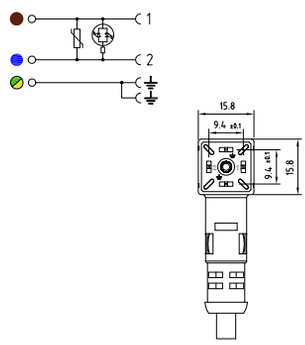
VALVE CONNECTORS









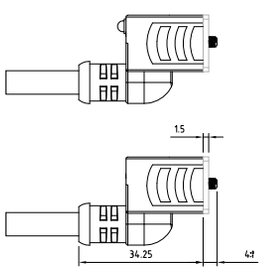
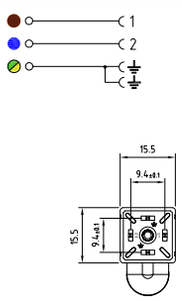
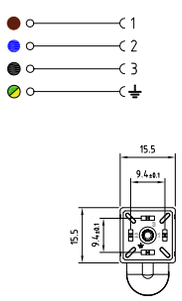
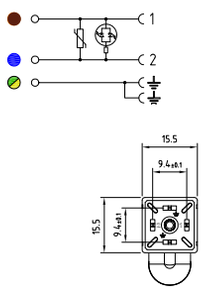


Product description									
DIN valve connectors			DIN valve connectors			DIN valve connectors			
Industrial			Industrial			Industrial			
C			C			C			
CP2N02L01C011	**CP2N02L02C011**	**CP2N02L03C011**	**CP1N02DL1C011**	**CP1N02DL2C011**	**CP1N02DL3C011**	**CP2N02VL1C011**	**CP2N02VL2C011**	**CP2N02VL3C011**	
Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.			Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.			Square micro connector CP2 series complete with gasket and fixing screw. Connector without electronic.			
9.4mm			9.4mm			9.4mm			
2poles + 2P.E.			2poles + 2P.E.			2poles + 2P.E.			
H.6-12			H.6-12			H.6-12			
Black			Black			Black			
21mm			21mm			21mm			
Integrated NBR gasket			Integrated NBR gasket			Integrated NBR gasket			
Technical data									
24V AC/ DC	115V AC/DC	230V AC/DC	24V DC	115V DC	230V DC	24V AC/ DC	115V AC/DC	230V AC/DC	
Bipolar Led			Led + Diode(1A)			Bipolar Led + Varistor			
Red			Red			Red			
M3 L=22.5mm			M3 L=22.5mm			M3 L=22.5mm			
Iron+Zinc plated			Iron+Zinc plated			Iron+Zinc plated			
0.5 N*m			0.5 N*m			0.5 N*m			
PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			PVC/PVC IEC332-1 H03VVF			
Black			Black			Black			
3G0.5mm^2			3G0.5mm^2			3G0.5mm^2			
Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			Brown; Blue; Yellow-Green			
ø5mm (±0.3)			ø5mm (±0.3)			ø5mm (±0.3)			
1m			1m			1m			
Packaging									
Variable according cable length.			Variable according cable length.			Variable according cable length.			
Other accessories options									
See accessories section									
Notes:									
Connector available with different feautures: See the cable codification scheme page See the cables list section									

VALVE CONNECTORS





Technical drawing			
			

Product description					
Connector type	DIN valve connectors	DIN valve connectors	DIN valve connectors		
Conforms to	Industrial	Industrial	Industrial		
Construction type	C	C	C		
Part number	**CP2CN02000C011**	**CP2CN03000AB11**	**CP2CN02VL1C011**	**CP2CN02VL2C011**	**CP2CN02VL3C011**
Description	Square micro connector CP2C series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2C series (TOP exit DIN connector) complete with gasket and fixing screw. Connector without electronic.	Square micro connector CP2C series (TOP exit DIN connector) complete with gasket and fixing screw. Connector with electronic.		
Contacts spacing	9.4mm	9.4mm	9.4mm		
Number of contacts	2poles + 2P.E.	3poles + P.E.	2poles + 2P.E.		
Earth positioning	H.6-12	H.6	H.6-12		
Housing colour	Black	Black	Black		
Housing height	21mm	21mm	21mm		
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket		
Technical data					
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	24V AC/ DC	115V AC/DC	230V AC/DC
Circuit type	-	-	Bipolar Led + Varistor		
Led colour	-	-	Red		
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m		
Cable type	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF	PVC/PVC IEC332-1 H03VVF		
Cable jacket colour	Black	Black	Black		
No.Conductors / Section	3G0.5mm^2	4G0.5mm^2	3G0.5mm^2		
Conductor colours	Brown; Blue; Yellow-Green	Brown; Blue; Black; Yellow-Green	Brown; Blue; Yellow-Green		
Cable diameter	ø5mm (±0.3)	ø6mm (±0.3)	ø5mm (±0.3)		
Cable length	1m	1m	1m		
Packaging					
Qty/Box	Variable according cable length.	Variable according cable length.	Variable according cable length.		
Other accessories options					
See accessories section					
Notes: Connector available with different feautures: See the cable codification scheme page See the cables list section					

VALVE CONNECTORS

GENERAL FEATURES:

Conductor cross section :
BG series: Max. 1.00mm²(19AWG).
BM series: Max. 1.00mm²(19AWG).
BP series: Max. 0.75mm² (18AWG).

Fixing system :
Central fixing screw.

Max- screw torque IEC60947-1
(Central fixing nut) **:**
BG series - BM1seried - BP2 series: Max. 0.5 N * m.
BP1 series: Max. 0.4 N * m.

Type of terminations :
To Solder.

Contact material and treatment :
Brass + Silver plated.

Base material :
PA66.

Flammability resistance :
UL94-V2 - Standard.
UL94-V0 - UL approved (upon request).

Protection class :
IP 65 coupled.

Operating temperature :
-40°C +90°C with NBR gasket.
-40°C +125°C with Silicone gasket.

Nominal current :
10A (BP1-BP2 series: 6A).

Max contact current :
16A (BP1-BP2 series: 10A).

BG1	N	0	2	00	0	-	##

SERIES
BG0 : SQUARE EN175301-803 BASE form A (18mm) WITH No.4 FIXING HOLES.
BG1 : SQUARE EN175301-803 BASE form A (18mm) WITH No.4 FIXING HOLES.
BG4 : SQUARE EN175301-803 BASE form A (18mm) WITH No.4 FIXING HOLES + CIRCULAR PART ø22mm.
BG5 : SQUARE EN175301-803 BASE form A (18mm) WITH No.2 FIXING HOLES.
BG7 : CIRCULAR EN175301-803 form A (18mm) ø27mm.
BG8 : SQUARE EN175301-803 form A (18mm) SUITABLE FOR CYLINDERS ø80mm.
BG10 : SQUARE EN175301-803 form A (18mm) SUITABLE FOR CYLINDERS ø100mm.
BG16 : SQUARE EN175301-803 form A (18mm) SUITABLE FOR CYLINDERS ø160mm.
BG33 : SQUARE EN175301-803 form A (18mm) SUITABLE FOR CYLINDERS ø33mm.
BG42 : SQUARE EN175301-803 form A (18mm) SUITABLE FOR CYLINDERS ø42mm.
BGR : CIRCULAR EN175301-803 form A (18mm) with M27 FIXING CIRCULAR NUT.
BM1 : RECTANGULAR INDUSTRIAL form B (11mm)
BP1 : SQUARE MICRO EN175301-803 form C (8mm)
BP2 : SQUARE MICRO INDUSTRIAL form C (9.4mm)
BP3 : SQUARE MICRO INDUSTRIAL form C (9.4mm) WITH CIRCULAR PART ø15.2mm.

COLOUR
G : GREY. **N** : BLACK (STANDARD). **T** : TRANSPARENT.

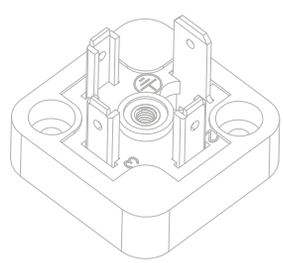
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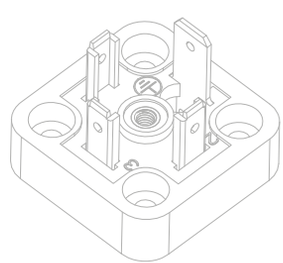
POLES No.
2 : 2POLES + EARTH. **3** : 3POLES + EARTH.

CIRCUIT TYPE
00 : WITHOUT ELECTRONIC.

VOLTAGE
0 : 250V / 300V.

SOME VARIABLES
UL : UL APPROVED.
PG11 : BGR SERIES WITH ADAPTER FROM M27 TO PG11.
PG13.5 : BGR SERIES WITH ADAPTER FROM M27 TO PG13.5.
M20 : BGR SERIES WITH ADAPTER FROM M27 TO M20X1.5.
1/2" NPTF : BGR SERIES WITH ADAPTER FROM M27 TO 1/2" NPTF.

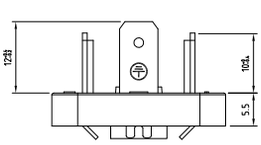
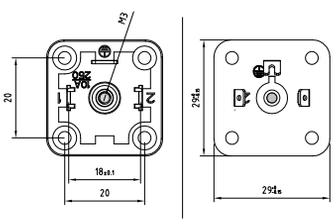
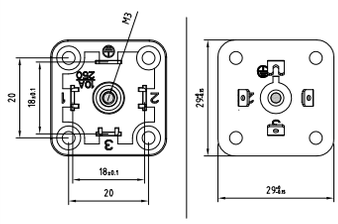




VALVE CONNECTORS



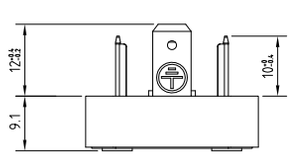
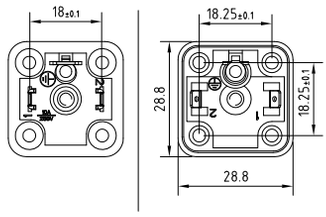
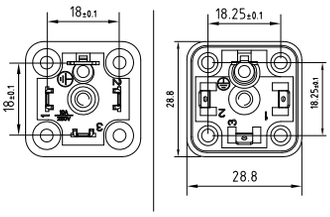
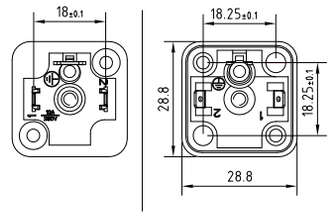


Technical drawing		
		
Product description		
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	A	A
Part number	**BG0N02000**	**BG0N03000**
Description	Square base connector BG0 series complete with gasket and fixing screws.	Square base connector BG0 series complete with gasket and fixing screws.
Contacts spacing	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.
Earth positioning	-	-
Base colour	Black	Black
Base height	5.5mm	5.5mm
Gasket type	Flat NBR gasket	Flat NBR gasket
Technical data		
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	N°4	N°4
Diameter of fixing holes	ø3.2mm	ø3.2mm
Fixing screws material (x4)	Iron+Zinc plated	Iron+Zinc plated
Fixing screws length (x4)	M3 L=7.3mm	M3 L=7.3mm
Fixing screws torque (x4)	0.5 N*m	0.5 N*m
Earth fixing screw material	-	-
Earth fixing screws length	-	-
Earth screw torque	-	-
Central nut type	M3 Closed	M3 Closed
Packaging		
Qty/Box	200pcs / box	200pcs / box
Other accessories options		
See accessories section		
Notes:	Base in Grey colour: P/N BG0G02000	Base in Grey colour: P/N BG0G03000

VALVE CONNECTORS





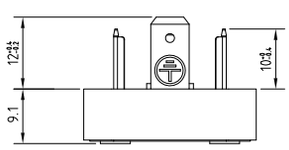
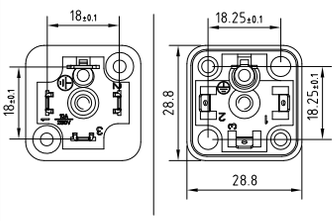
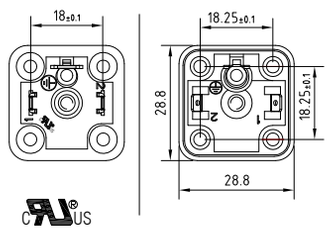
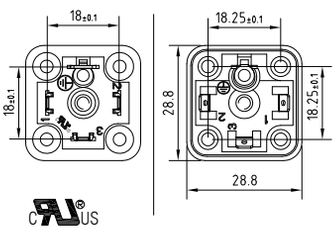
Technical drawing			
			
Product description			
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	Square base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**BG1N02000**	**BG1N03000**	**BG5N02000**
Description	Square base connector BG1 series complete with gasket and fixing screws.	Square base connector BG1 series complete with gasket and fixing screws.	Square base connector BG5 series complete with gasket and fixing screws.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	-	-	-
Base colour	Black	Black	Black
Base height	9.1mm	9.1mm	9.1mm
Gasket type	Flat NBR gasket	Flat NBR gasket	Flat NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	N°4	N°4	N°2
Diameter of fixing holes	ø3.2mm	ø3.2mm	ø3.2mm
Fixing screws material (x4)	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Fixing screws length (x4)	M3 L=10mm	M3 L=10mm	M3 L=10mm
Fixing screws torque (x4)	0.5 N*m	0.5 N*m	0.5 N*m
Earth fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Earth fixing screws length	M3 L=4.8mm	M3 L=4.8mm	M3 L=4.8mm
Earth screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Central nut type	M3 Open	M3 Open	M3 Open
Packaging			
Qty/Box	200pcs / box	200pcs / box	200pcs / box
Other accessories options			
See accessories section			
Notes:	Base in Grey colour: P/N BG1G02000	Base in Grey colour: P/N BG1G03000	Base in Grey colour: P/N BG5G02000

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VALVE CONNECTORS



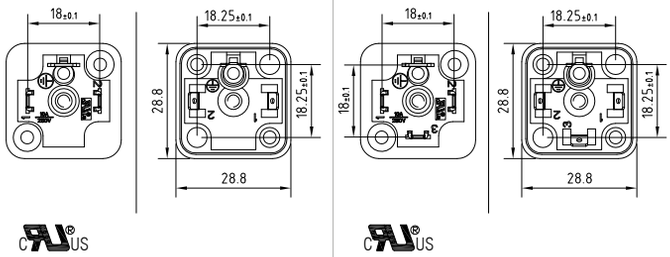


Technical drawing			
			
Product description			
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	Square base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**BG5N03000**	**BG1N02000-UL**	**BG1N03000-UL**
Description	Square base connector BG5 series complete with gasket and fixing screws.	Square base connector BG1 series, UL approved, complete with gasket and fixing screws.	Square base connector BG1 series, UL approved, complete with gasket and fixing screws.
Contacts spacing	18mm	18mm	18mm
Number of contacts	3poles + P.E.	2poles + P.E.	3poles + P.E.
Earth positioning	-	-	-
Base colour	Black	Black	Black
Base height	9.1mm	9.1mm	9.1mm
Gasket type	Flat NBR gasket	Flat NBR gasket	Flat NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	N°2	N°4	N°4
Diameter of fixing holes	ø3.2mm	ø3.2mm	ø3.2mm
Fixing screws material (x4)	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Fixing screws length (x4)	M3 L=10mm	M3 L=10mm	M3 L=10mm
Fixing screws torque (x4)	0.5 N*m	0.5 N*m	0.5 N*m
Earth fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Earth fixing screws length	M3 L=4.8mm	M3 L=4.8mm	M3 L=4.8mm
Earth screw torque	0.5 N*m	0.5 N*m	0.5 N*m
Central nut type	M3 Open	M3 Open	M3 Open
Packaging			
Qty/Box	200pcs / box	200pcs / box	200pcs / box
Other accessories options			
See accessories section			
Notes:	Base in Grey colour: P/N BG5G03000		

VALVE CONNECTORS







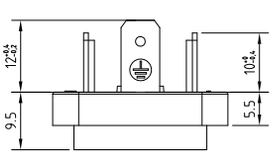
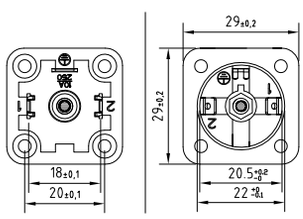
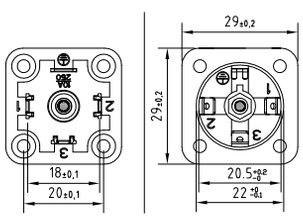
Product description			
Square base for DIN valve connectors	Square base for DIN valve connectors		
EN175301-803	EN175301-803		
A	A		
BG5N02000-UL	**BG5N03000-UL**		
Square base connector BG5 series, UL approved, complete with gasket and fixing screws.	Square base connector BG5 series, UL approved, complete with gasket and fixing screws.		
18mm	18mm		
2poles + P.E.	3poles + P.E.		
-	-		
Black	Black		
9.1mm	9.1mm		
Flat NBR gasket	Flat NBR gasket		
Technical data			
250V AC/ 300VDC	250V AC/ 300VDC		
N°2	N°2		
ø3.2mm	ø3.2mm		
Iron+Zinc plated	Iron+Zinc plated		
M3 L=10mm	M3 L=10mm		
0.5 N*m	0.5 N*m		
Iron+Zinc plated	Iron+Zinc plated		
M3 L=4.8mm	M3 L=4.8mm		
0.5 N*m	0.5 N*m		
M3 Open	M3 Open		
Packaging			
200pcs / box	200pcs / box		
Other accessories options			
See accessories section			
Notes:			

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VALVE CONNECTORS



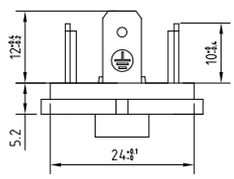
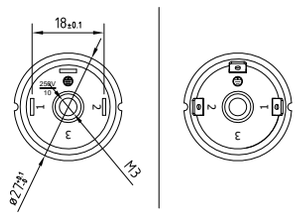
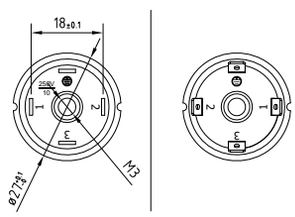


Technical drawing		
		
Product description		
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	A	A
Part number	**BG4N02000**	**BG4N03000**
Description	Square base connector BG4 series complete with gasket and fixing screws.	Square base connector BG4 series complete with gasket and fixing screws.
Contacts spacing	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.
Earth positioning	-	-
Base colour	Black	Black
Base height	9.5mm	9.5mm
Gasket type	Flat NBR gasket	Flat NBR gasket
Technical data		
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	N°4	N°4
Diameter of fixing holes	ø3.2mm	ø3.2mm
Fixing screws material (x4)	Iron+Zinc plated	Iron+Zinc plated
Fixing screws length (x4)	M3 L=7.3mm	M3 L=7.3mm
Fixing screws torque (x4)	0.5 N*m	0.5 N*m
Earth fixing screw material	-	-
Earth fixing screws length	-	-
Earth screw torque	-	-
Central nut type	M3 Hexagonal closed	M3 Hexagonal closed
Packaging		
Qty/Box	200pcs / box	200pcs / box
Other accessories options		
See accessories section		
Notes:	Base in Grey colour: P/N BG4G02000	Base in Grey colour: P/N BG4G03000

VALVE CONNECTORS





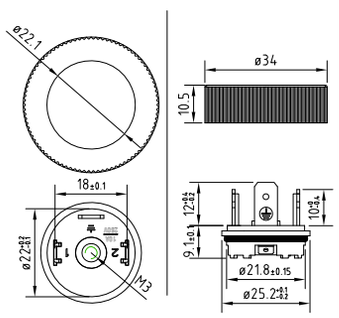
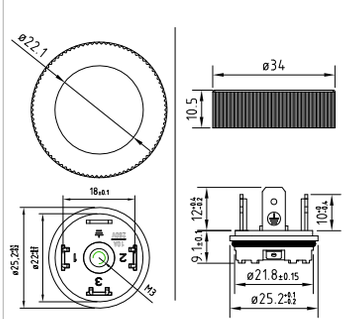
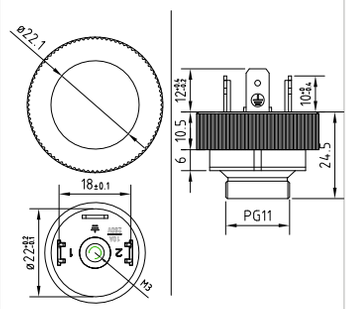
Technical drawing		
		
Product description		
Connector type	Circular base for DIN valve connectors	Circular base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803
Construction type	A	A
Part number	**BG7N02000**	**BG7N03000**
Description	Circular base connector BG7 series without gasket and fixing screws.	Circular base connector BG7 series without gasket and fixing screws.
Contacts spacing	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.
Earth positioning	-	-
Base colour	Black	Black
Base height	5.2mm	5.2mm
Gasket type	-	-
Technical data		
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	-	-
Diameter of fixing holes	-	-
Fixing screws material	-	-
Fixing screws length	-	-
Fixing screws torque	-	-
Earth fixing screw material	-	-
Earth fixing screws length	-	-
Earth screw torque	-	-
Central nut type	M3 Closed	M3 Closed
Packaging		
Qty/Box	200pcs / box	200pcs / box
Other accessories options		
See accessories section		
Notes:	Base in Grey colour: P/N BG7G02000	Base in Grey colour: P/N BG7G03000

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VALVE CONNECTORS



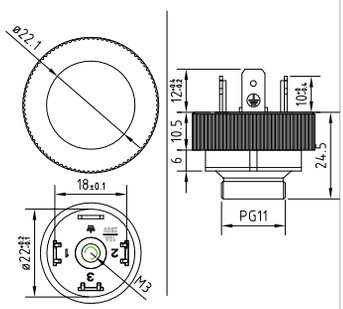
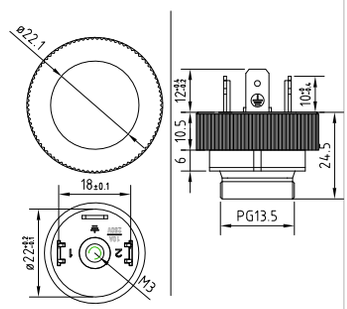
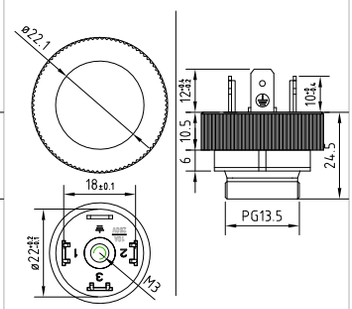


Technical drawing			
Product description			
Connector type	Circular base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**BGRN02000**	**BGRN03000**	**BGRN02000-PG11**
Description	Circular base connector BGR series with plastic fixing nut M27X1.5. Base without fixing screws	Circular base connector BGR series with plastic fixing nut M27X1.5. Base without fixing screws	Circular base connector BGR series with plastic fixing nut M27X1.5+PG11 reduction. Base without fixing screws
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	-	-	-
Base colour	Black	Black	Black
Base height	10.5mm (with plastic fixing nut)	10.5mm (with plastic fixing nut)	24.5mm (with fixing nut and reduction)
Gasket type	-	-	-
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	-	-	-
Diameter of fixing holes	-	-	-
Fixing screws material	-	-	-
Fixing screws length	-	-	-
Fixing screws torque	-	-	-
Earth fixing screw material	-	-	-
Earth fixing screws length	-	-	-
Earth screw torque	-	-	-
Central nut type	M3 Open	M3 Open	M3 Open
Reduction type	-	-	From M27x1.5 to PG11
Packaging			
Qty/Box	200pcs / box	200pcs / box	200pcs / box
Other accessories options			
See accessories section			
Notes:	Base in Grey colour: P/N BGRG02000	Base in Grey colour: P/N BGRG03000	

VALVE CONNECTORS



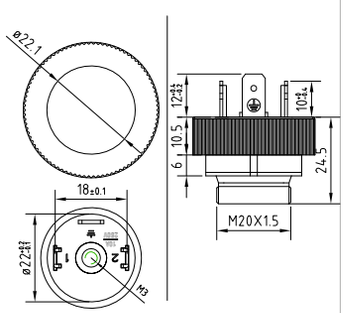


Technical drawing			
Product description			
Connector type	Circular base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**BGRN03000-PG11**	**BGRN02000-PG13.5**	**BGRN03000-PG13.5**
Description	Circular base connector BGR series with plastic fixing nut M27X1.5+PG11 reduction. Base without fixing screws	Circular base connector BGR series with plastic fixing nut M27X1.5+PG13.5 reduction. Base without fixing screws	Circular base connector BGR series with plastic fixing nut M27X1.5+PG13.5 reduction. Base without fixing screws
Contacts spacing	18mm	18mm	18mm
Number of contacts	3poles + P.E.	2poles + P.E.	3poles + P.E.
Earth positioning	-	-	-
Base colour	Black	Black	Black
Base height	24.5mm (with fixing nut and reduction)	24.5mm (with fixing nut and reduction)	24.5mm (with fixing nut and reduction)
Gasket type	-	-	-
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	-	-	-
Diameter of fixing holes	-	-	-
Fixing screws material	-	-	-
Fixing screws length	-	-	-
Fixing screws torque	-	-	-
Earth fixing screw material	-	-	-
Earth fixing screws length	-	-	-
Earth screw torque	-	-	-
Central nut type	M3 Open	M3 Open	M3 Open
Reduction type	From M27x1.5 to PG11	From M27x1.5 to PG13.5	From M27x1.5 to PG13.5
Packaging			
Qty/Box	200pcs / box	200pcs / box	200pcs / box
Other accessories options			
See accessories section			
Notes:			

VALVE CONNECTORS





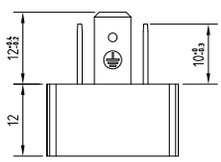
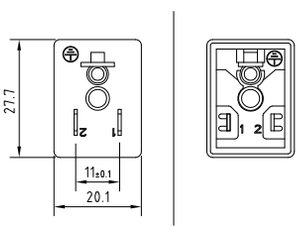
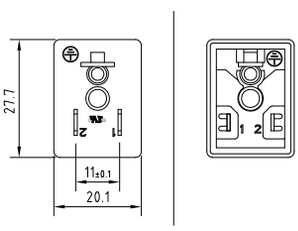



Product description			
Circular base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors
EN175301-803	EN175301-803	EN175301-803	EN175301-803
A	A	A	A
BGRN02000-M20	**BGRN03000-M20**	**BGRN02000-1/2NPTF**	**BGRN03000-1/2NPTF**
Circular base connector BGR series **with plastic fixing nut M27X1.5** + M20x1.5 reduction. Base without fixing screws	Circular base connector BGR series **with plastic fixing nut M27X1.5** + M20x1.5 reduction. Base without fixing screws	Circular base connector BGR series **with plastic fixing nut M27X1.5** + 1/2NPTF reduction. Base without fixing screws	Circular base connector BGR series **with plastic fixing nut M27X1.5** + 1/2NPTF reduction. Base without fixing screws
18mm	18mm	18mm	18mm
2poles + P.E.	3poles + P.E.	2poles + P.E.	3poles + P.E.
-	-	-	-
Black	Black	Black	Black
24.5mm (with fixing nut and reduction)	24.5mm (with fixing nut and reduction)	29.5mm (with fixing nut and reduction)	29.5mm (with fixing nut and reduction)
-	-	-	-
Technical data			
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
M3 Open	M3 Open	M3 Open	M3 Open
From M27x1.5 to M20x1.5	From M27x1.5 to M20x1.5	From M27x1.5 to 1/2"NPTF	From M27x1.5 to 1/2"NPTF
Packaging			
200pcs / box	200pcs / box	200pcs / box	200pcs / box
Other accessories options			
See accessories section			
Notes:			

VALVE CONNECTORS





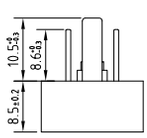
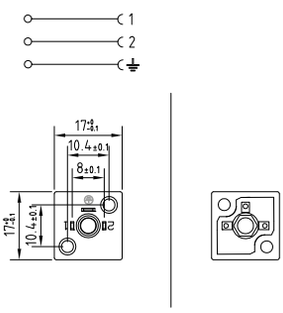
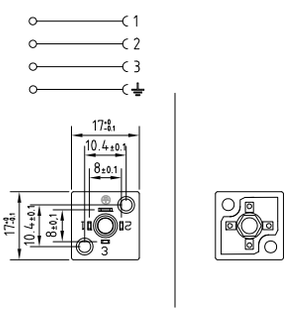
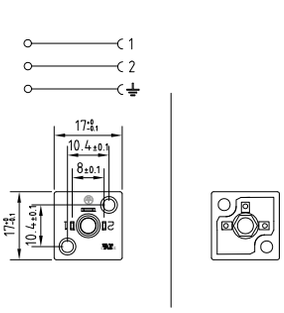
Technical drawing		
		
Product description		
Connector type	Rectangular base for DIN valve connectors	Rectangular base for DIN valve connectors
Conforms to	Industrial	Industrial
Construction type	B	B
Part number	**BM1N02000**	**BM1N02000-UL**
Description	Rectangular base connector BM1 series complete with gasket and fixing screws.	Rectangular base connector BM1 series, UL approved, complete with gasket and fixing screws.
Contacts spacing	11mm	11mm
Number of contacts	2poles + P.E.	2poles + P.E.
Earth positioning	-	-
Base colour	Black	Black
Base height	12mm	12mm
Gasket type	Flat NBR gasket	Flat NBR gasket
Technical data		
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	-	-
Diameter of fixing holes	-	-
Fixing screws material (x1)	Iron+Zinc plated	Iron+Zinc plated
Fixing screws length (x1)	M3(int.)-M4(ext.) L=15.5mm	M3(int.)-M4(ext.) L=15.5mm
Fixing screws torque (x1)	0.5 N*m	0.5 N*m
Earth fixing screw material	Iron+Zinc plated	Iron+Zinc plated
Earth fixing screws length	M3 L=5mm	M3 L=5mm
Earth screw torque	0.5 N*m	0.5 N*m
Central nut type	-	-
Packaging		
Qty/Box	200pcs / box	200pcs / box
Other accessories options		
See accessories section		
Notes:	Base in Grey colour: P/N BM1G02000	

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VALVE CONNECTORS





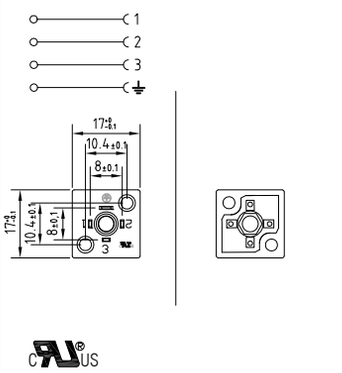
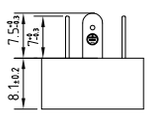
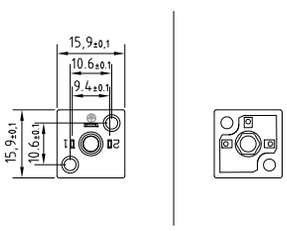
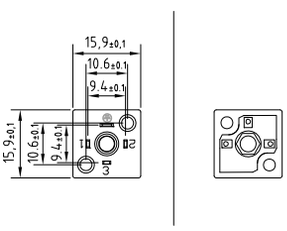
Technical drawing				
Product description				
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	Square base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	**BP1N02000**	**BP1N03000**	**BP1N02000-UL**
Description	Square base connector BP1 series complete with gasket and fixing screws.	Square base connector BP1 series complete with gasket and fixing screws.	Square base connector BP1 series, UL approved, complete with gasket and fixing screws.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + P.E.	3poles + P.E.	2poles + P.E.
Earth positioning	-	-	-
Base colour	Black	Black	Black
Base height	8.5mm	8.5mm	8.5mm
Gasket type	Flat NBR gasket	Flat NBR gasket	Flat NBR gasket
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
Number of fixing holes	N°2	N°2	N°2
Diameter of fixing holes	ø3mm	ø3mm	ø3mm
Fixing screws material (x1)	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Fixing screws length (x1)	M2.5 L=8mm	M2.5 L=8mm	M2.5 L=8mm
Fixing screws torque (x1)	0.4 N*m	0.4 N*m	0.4 N*m
Earth fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Earth fixing screws length	-	-	-
Earth screw torque	-	-	-
Central nut type	M2.5 Open	M2.5 Open	M2.5 Open
Packaging			
Qty/Box	200pcs / box	200pcs / box	200pcs / box
Other accessories options			
to be ordered separately see page			
Notes:	Base in Grey colour: P/N BP1G02000	Base in Grey colour: P/N BP1G03000	

VALVE CONNECTORS







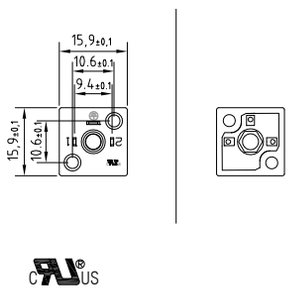
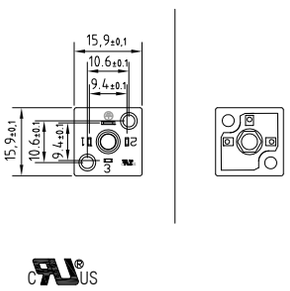
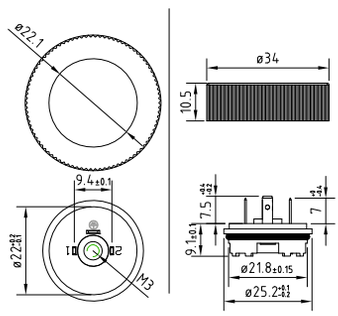
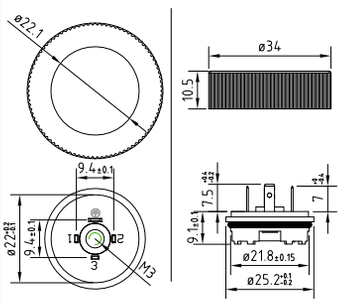
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	Product description		
Square base for DIN valve connectors	Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors
EN175301-803	Conforms to	Industrial	Industrial
C	Construction type	C	C
BP1N03000-UL	Part number	**BP2N02000**	**BP2N03000**
Square base connector BP1 series, UL approved, complete with gasket and fixing screws.	Description	Square base connector BP2 series complete with gasket and fixing screws.	Square base connector BP2 series complete with gasket and fixing screws.
8mm	Contacts spacing	9.4mm	9.4mm
3poles + P.E.	Number of contacts	2poles + P.E.	3poles + P.E.
-	Earth positioning	-	-
Black	Base colour	Black	Black
8.5mm	Base height	8.5mm	8.5mm
Flat NBR gasket	Gasket type	Flat NBR gasket	Flat NBR gasket
	Technical data		
250V AC/ 300VDC	Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC
N°2	Number of fixing holes	N°2	N°2
ø3mm	Diameter of fixing holes	ø3mm	ø3mm
Iron+Zinc plated	Fixing screws material (x1)	Iron+Zinc plated	Iron+Zinc plated
M2.5 L=8mm	Fixing screws length (x1)	M3 L=8mm	M3 L=8mm
0.4 N*m	Fixing screws torque (x1)	0.5 N*m	0.5 N*m
Iron+Zinc plated	Earth fixing screw material	Iron+Zinc plated	Iron+Zinc plated
-	Earth fixing screws length	-	-
-	Earth screw torque	-	-
M2.5 Open	Central nut type	M3 Open	M3 Open
	Packaging		
200pcs / box	Qty/Box	400pcs / box	400pcs / box
	Other accessories options		
	to be ordered separately see page		
	Notes:	Base in Grey colour: P/N BP2G02000	Base in Grey colour: P/N BP2G03000

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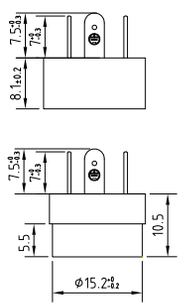
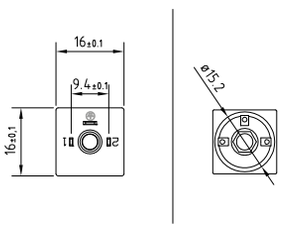
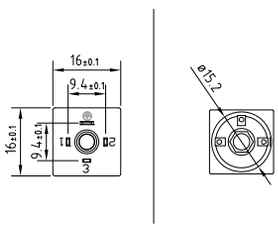



			
Square base for DIN valve connectors	Square base for DIN valve connectors	Circular base for DIN valve connectors	Circular base for DIN valve connectors
Industrial	Industrial	EN175301-803	EN175301-803
C	C	A	A
BP2N02000-UL	**BP2N03000-UL**	**BP2RN02000**	**BP2RN03000**
Square base connector BP2 series, UL approved, complete with gasket and fixing screws.	Square base connector BP2 series, UL approved, complete with gasket and fixing screws.	Circular base connector BP2R series with plastic fixing nut M27X1.5. Base without fixing screws	Circular base connector BP2R series with plastic fixing nut M27X1.5. Base without fixing screws
9,4mm	9,4mm	9,4mm	9,4mm
2poles + P.E.	3poles + P.E.	2poles + P.E.	3poles + P.E.
-	-	-	-
Black	Black	Black	Black
8.5mm	8.5mm	10.5mm (with plastic fixing nut)	10.5mm (with plastic fixing nut)
Flat NBR gasket	Flat NBR gasket	-	-
250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC	250V AC/ 300VDC
N°2	N°2	-	-
ø3mm	ø3mm	-	-
Iron+Zinc plated	Iron+Zinc plated	-	-
M3 L=8mm	M3 L=8mm	-	-
0.5 N*m	0.5 N*m	-	-
Iron+Zinc plated	Iron+Zinc plated	-	-
-	-	-	-
-	-	-	-
M3 Open	M3 Open	M3 Open	M3 Open
		-	-
400pcs / box	400pcs / box	200pcs / box	200pcs / box
		Base available with different riductions: P/N BP2RN02000-PG11 P/N BP2RN02000-PG13.5 P/N BP2RN02000-M20 P/N BP2RN02000-1/2NPTF	Base available with different riductions: P/N BP2RN03000-PG11 P/N BP2RN03000-PG13.5 P/N BP2RN03000-M20 P/N BP2RN03000-1/2NPTF

VALVE CONNECTORS



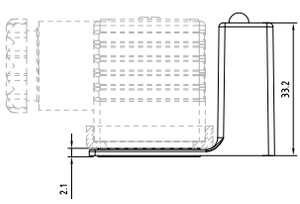
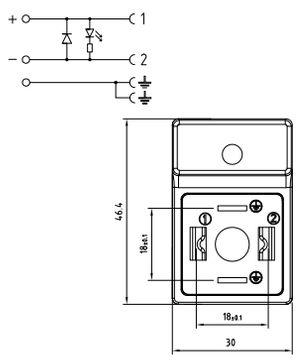
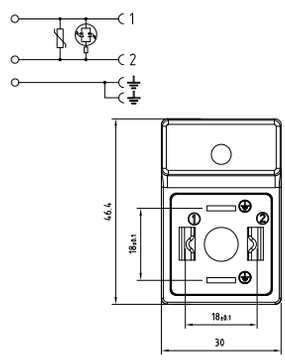


Technical drawing			
Product description			
Connector type	Square base for DIN valve connectors	Square base for DIN valve connectors	
Conforms to	Industrial	Industrial	
Construction type	C	C	
Part number	**BP3N02000**	**BP3N03000**	
Description	Square base connector BP3 series complete with gasket	Square base connector BP3 series complete with gasket	
Contacts spacing	9.4mm	9.4mm	
Number of contacts	2poles + P.E.	3poles + P.E.	
Earth positioning	-	-	
Base colour	Black	Black	
Base height	10.5mm	10.5mm	
Gasket type	Flat NBR gasket	Flat NBR gasket	
Technical data			
Rated voltage	250V AC/ 300VDC	250V AC/ 300VDC	
Number of fixing holes	-	-	
Diameter of fixing holes	-	-	
Fixing screws material (x1)	-	-	
Fixing screws length (x1)	-	-	
Fixing screws torque (x1)	-	-	
Earth fixing screw material	-	-	
Earth fixing screws length	-	-	
Earth screw torque	-	-	
Central nut type	M3 Open	M3 Open	
Packaging			
Qty/Box	300pcs / box	300pcs / box	
Other accessories options			
to be ordered separately see page			
Notes:	Base in Grey colour: P/N BP3G02000	Base in Grey colour: P/N BP3G03000	

VALVE CONNECTORS

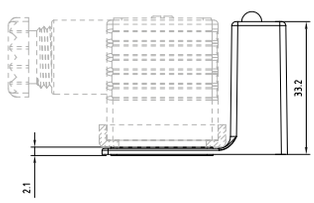
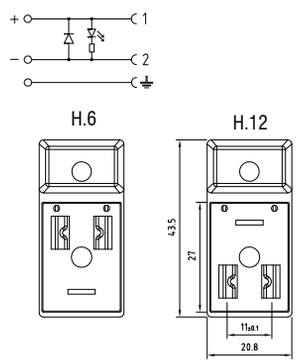
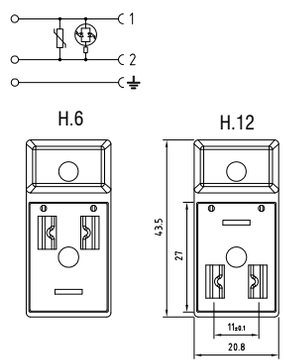
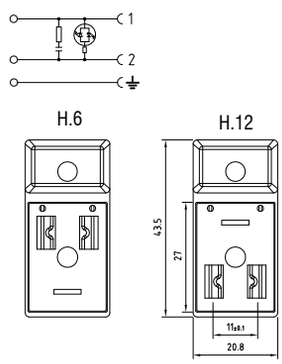




Technical drawing									
Product description									
Connector type	Adapter base for DIN valve connectors			Adapter base for DIN valve connectors			Adapter base for DIN valve connectors		
Conforms to	EN175301-803			EN175301-803			EN175301-803		
Construction type	A			A			A		
Part number	**AG1N02DL1**	**AG1N02DL2**	**AG1N02DL3**	**AG1N02VL1**	**AG1N02VL2**	**AG1N02VL3**	**AG1N02FL1**	**AG1N02FL2**	**AG1N02FL3**
Description	Square Angled 90° adapter AG1 series			Square Angled 90° adapter AG1 series			Square Angled 90° adapter AG1 series		
Contacts spacing	18mm			18mm			18mm		
Number of contacts	2poles + 2P.E.			2poles + 2P.E.			2poles + 2P.E.		
Earth positioning	H.6-12			H.6-12			H.6-12		
Adapter colour	Black			Black			Black		
Adapter height	33.2mm			33.2mm			33.2mm		
Technical data									
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	24V AC/DC	115V AC/DC	230V AC/DC
Circuit type	Led + Diode(1A)			Bipolar Led + Varistor			Bipolar Led + RC circuit		
Led colour	Red			Red			Red		
Packaging									
Qty/Bag	1pc / bag			1pc / bag			1pc / bag		
Other accessories options									
-									
Notes:	Adapter available with different led colour. Adapter available with different circuits.			Adapter available with different led colour. Adapter available with different circuits.			Adapter available with different led colour. Adapter available with different circuits.		

VALVE CONNECTORS



Technical drawing			
			

Product description											
Connector type	Adapter base for DIN valve connectors			Adapter base for DIN valve connectors			Adapter base for DIN valve connectors				
Conforms to	Industrial			Industrial			Industrial				
Construction type	B			B			B				
Part number (P.E. H.6)	**AM1N02DL1A**	**AM1N02DL2A**	**AM1N02DL3A**	**AM1N02VL1A**	**AM1N02VL2A**	**AM1N02VL3A**	**AM1N02FL1A**	**AM1N02FL2A**	**AM1N02FL3A**		
Part number (P.E. H.12)	**AM1N02DL1B**	**AM1N02DL2B**	**AM1N02DL3B**	**AM1N02VL1B**	**AM1N02VL2B**	**AM1N02VL3B**	**AM1N02FL1B**	**AM1N02FL2B**	**AM1N02FL3B**		
Description	Rectangular angled 90° adapter AM1 series			Rectangular angled 90° adapter AM1 series			Rectangular angled 90° adapter AM1 series				
Contacts spacing	11mm			11mm			11mm				
Number of contacts	2poles + P.E.			2poles + P.E.			2poles + P.E.				
Earth positioning	H.6 or H.12			H.6 or H.12			H.6 or H.12				
Adapter colour	Black			Black			Black				
Adapter height	33.2mm			33.2mm			33.2mm				
Technical data											
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC	24V AC/DC	115V AC/DC	230V AC/DC		
Circuit type	Led + Diode(1A)			Bipolar Led + Varistor			Bipolar Led + RC circuit				
Led colour	Red			Red			Red				
Packaging											
Qty/Bag	1pc / bag			1pc / bag			1pc / bag				
Other accessories options											
-											

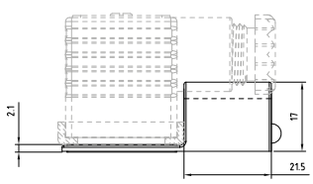
Notes:
Adapter available with different led colour.
Adapter available with different circuits.

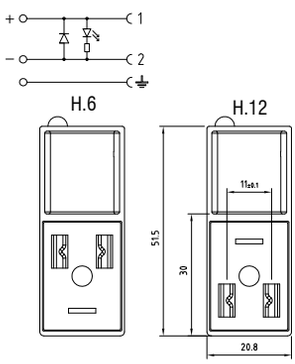
VALVE CONNECTORS

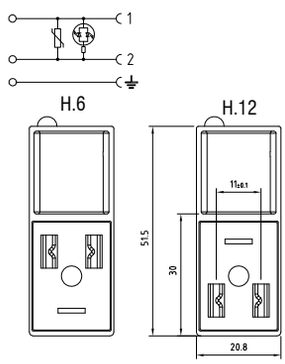




Technical drawing







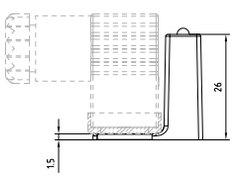
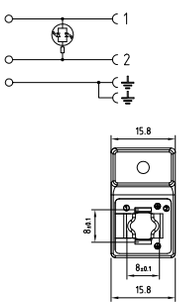
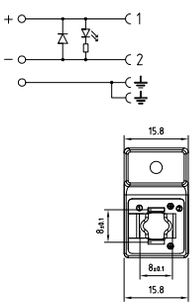
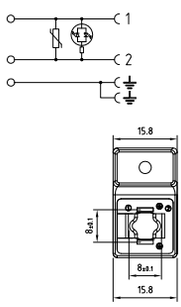
Product description						
Connector type	Adapter base for DIN valve connectors			Adapter base for DIN valve connectors		
Conforms to	Industrial			Industrial		
Construction type	B			B		
Part number (P.E. H.6)	**AM1N02DL1A-180**	**AM1N02DL2A-180**	**AM1N02DL3A-180**	**AM1N02VL1A-180**	**AM1N02VL2A-180**	**AM1N02VL3A-180**
Part number (P.E. H.12)	**AM1N02DL1B-180**	**AM1N02DL2B-180**	**AM1N02DL3B-180**	**AM1N02VL1B-180**	**AM1N02VL2B-180**	**AM1N02VL3B-180**
Description	Rectangular straight 180° adapter AM1 series			Rectangular straight 180° adapter AM1 series		
Contacts spacing	11mm			11mm		
Number of contacts	2poles + P.E.			2poles + P.E.		
Earth positioning	H.6 or H.12			H.6 or H.12		
Adapter colour	Black			Black		
Adapter height	33.2mm			33.2mm		
Technical data						
Rated voltage	24V DC	115V DC	230V DC	24V AC/DC	115V AC/DC	230V AC/DC
Circuit type	Led + Diode(1A)			Bipolar Led + Varistor		
Led colour	Red			Red		
Packaging						
Qty/Bag	1pc / bag			1pc / bag		
Other accessories options						
-						

Notes:
Adapter available with different led colour.
Adapter available with different circuits.

VALVE CONNECTORS





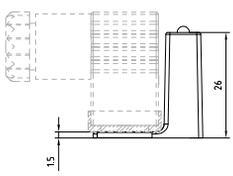
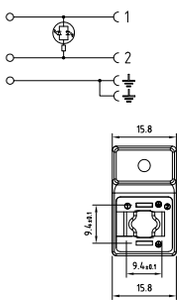
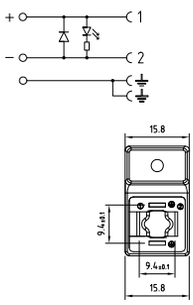
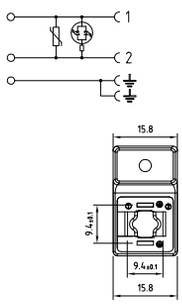
Technical drawing			
			
Product description			
Connector type	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	**AP1N02L01** **AP1N02L02** **AP1N02L03**	**AP1N02DL1** **AP1N02DL2** **AP1N02DL3**	**AP1N02VL1** **AP1N02VL2** **AP1N02VL3**
Description	Square micro angled 90° adapter AP1 series	Square micro angled 90° adapter AP1 series	Square micro angled 90° adapter AP1 series
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Adapter colour	Black	Black	Black
Adapter height	26mm	26mm	26mm
Technical data			
Rated voltage	24V AC/DC 115V AC/DC 230V AC/DC	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC
Circuit type	Bipolar Led	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	Red	Red	Red
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
-			

Notes:
Adapter available with different led colour.
Adapter available with different circuits.

VALVE CONNECTORS





Technical drawing	 		
Product description			
Connector type	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors	Adapter base for DIN valve connectors
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	**AP2N02L01** **AP2N02L02** **AP2N02L03**	**AP2N02DL1** **AP2N02DL2** **AP2N02DL3**	**AP2N02VL1** **AP2N02VL2** **AP2N02VL3**
Description	Square micro angled 90° adapter AP2 series	Square micro angled 90° adapter AP2 series	Square micro angled 90° adapter AP2 series
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Adapter colour	Black	Black	Black
Adapter height	26mm	26mm	26mm
Technical data			
Rated voltage	24V AC/DC 115V AC/DC 230V AC/DC	24V DC 115V DC 230V DC	24V AC/DC 115V AC/DC 230V AC/DC
Circuit type	Bipolar Led	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	Red	Red	Red
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
-			
Notes: Adapter available with different led colour. Adapter available with different circuits.			

VALVE CONNECTORS

GENERAL FEATURES:

Adapter :
M8 : M8 circular connector.
M12: M12 circular connector.

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
G1-M1-P2 series: Max. 0.5 N * m.
P1 series: Max. 0.4 N * m.

Type of terminations :
Screw(with protection plate).

Contact material and treatment :
Brass + Silver plated.

Housing material :
Polypropylene.

Internal core material :
PA66.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 65 / 67 (assembled).

Operating temperature :
-40°C +90°C with NBR gasket.
-40°C +125°C with Silicone gasket.

G1	N	0	2	00	0	-	12MD	-	##

SERIES
G1 : EN175301-803 form A (18mm).
G1B : EN175301-803 form A (18mm) TOP EXIT.
BG1 : EN175301-803 form A (18mm)WITH MALE CONTACTS.
BG1B: EN175301-803 form A (18mm)WITH MALE CONTACTS TOP EXIT.
M1 : INDUSTRIAL form B (11mm).
M2 : EN175301-803 form B (10mm).
P1 : EN175301-803 form C (8mm).
P2 : MICRO INDUSTRIAL form C (9.4mm).

COLOUR
G : GREY.
N : BLACK (STANDARD).

CABLE GLAND
0 : MOULDED CONNECTOR.

POLES No.
2 : 2POLES + EARTH.
3 : 3POLES + EARTH.

CIRCUIT TYPE
SEE CIRCUITS FEATURES PAGE.
(BG1B SERIES ONLY WITHOUT ELECTRONIC).

VOLTAGE
0 : 60V.
1 : 24V.

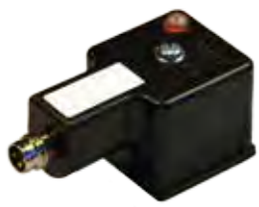
ADAPTER WITH
12MD : M12 MALE 180° 3p. **12FD** : M12 FEMALE 180° 3p.
08MD3 : M8 MALE 180° 3p. **08FD3** : M8 FEMALE 180° 3p.
08MD4 : M8 MALE 180° 4p. **08FD4** : M8 FEMALE 180° 4p.

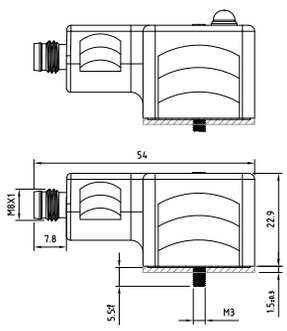
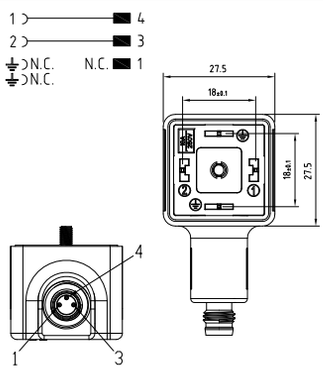
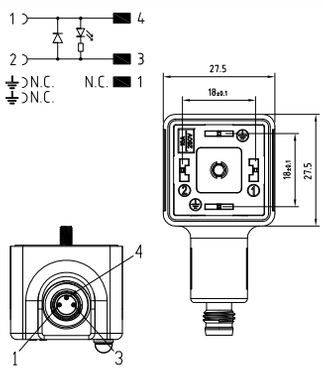
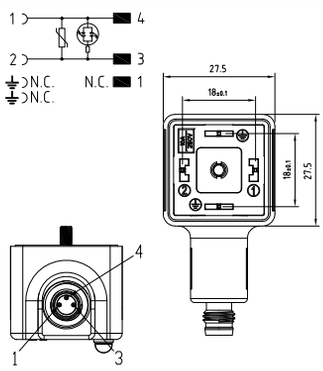
SOME VARIABLES
L : PROFILED GASKET. **SS** : STAINLESS STEEL SCREW. **Y** : WITHOUT H.T.P.LOGO.

HIGH TECH PRODUCTS S.R.L.

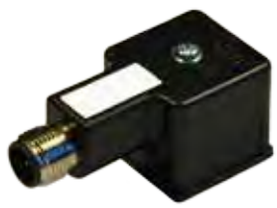
VALVE CONNECTORS



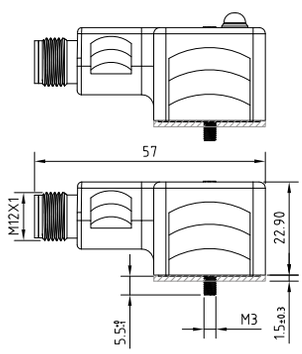
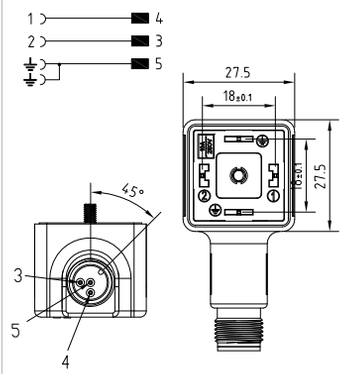
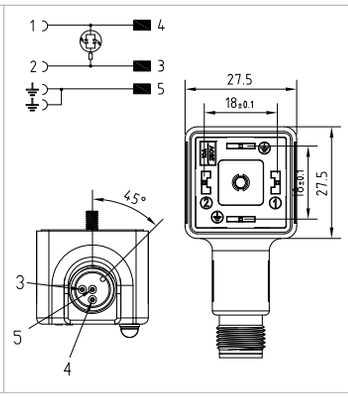
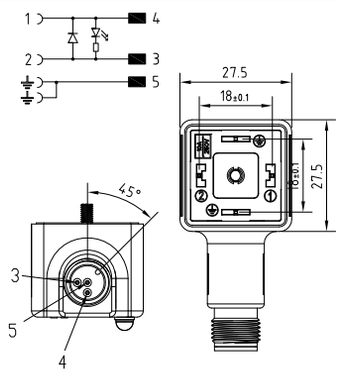


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector - M8 connector	Adapter DIN valve connector - M8 connector	Adapter DIN valve connector - M8 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**G1N02000C-08MD3**	**G1N02DL1C-08MD3**	**G1N02VL1C-08MD3**
Description	Adapter square connector EN175301-803 (form A) - M8 circular connector.	Adapter square connector EN175301-803 (form A) - M8 circular connector.	Adapter square connector EN175301-803 (form A) - M8 circular connector.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS



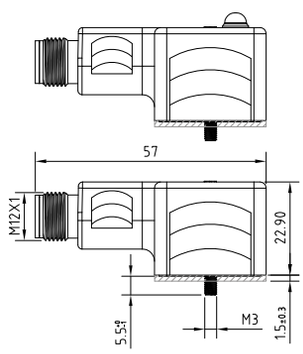
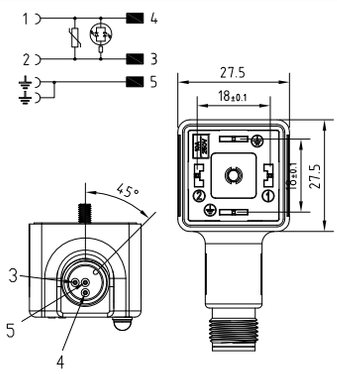
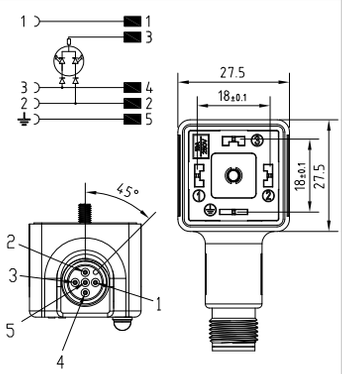


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**G1N02000C-12MD**	**G1N02L01C-12MD**	**G1N02DL1C-12MD**
Description	Adapter square connector EN175301-803 (form A) - M12 circular connector.	Adapter square connector EN175301-803 (form A) - M12 circular connector.	Adapter square connector EN175301-803 (form A) - M12 circular connector.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V AC/DC	24V DC
Circuit type	-	Bipolar Led	Led + Diode(1A)
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS





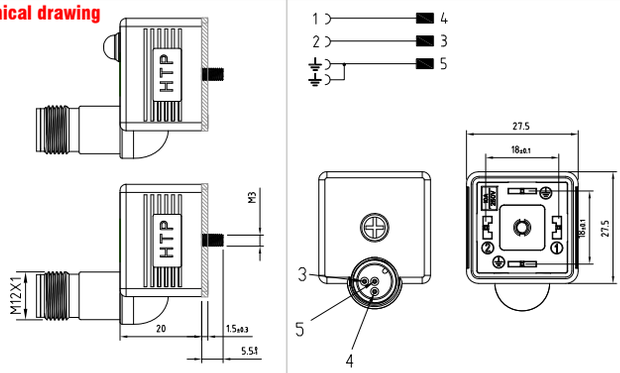
Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector		
Conforms to	EN175301-803	EN175301-803		
Construction type	A	A		
Part number	**G1N02VL1C-12MD**	**G1N02Q01A-12MD**		
Description	Adapter square connector EN175301-803 (form A) - M12 circular connector.	Adapter square connector EN175301-803 (form A) - M12 circular connector.		
Contacts spacing	18mm	18mm		
Number of contacts	2poles + 2P.E.	3poles + P.E.		
Earth positioning	H.6-12	H.6		
Housing colour	Black	Black		
Housing height	22.9mm	22.9mm		
Gasket type	Integrated NBR gasket	Integrated NBR gasket		
Circular connector type	M12	M12		
Technical data				
Rated voltage	24V AC/DC	24V DC		
Circuit type	Bipolar Led + Varistor	Bicolour Led + no.2 Diodes (1A)		
Led colour	Red	Red (pin 2) ; Green (pin3)		
Central fixing screw	M3 L=25mm	M3 L=25mm		
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated		
Central screw torque	0.5 N*m	0.5 N*m		
M12 Connector type	Straight 180°	Straight 180°		
M12 contacts type	Male 3poles	Male 5poles		
Number of contacts connected	n°3	n°5		
Packaging				
Qty/Bag	1pc / bag	1pc / bag		
Other accessories options				
See accessories section				
Notes:	Connector available with different led colour	Connector available with different led connection: Q8 circuit (Green pin 2; Red pin 3) Q1 circuit (Yellow pin 2; Green pin 3)		

VALVE CONNECTORS





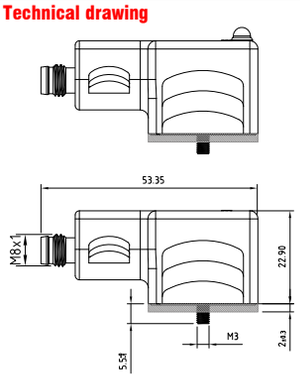
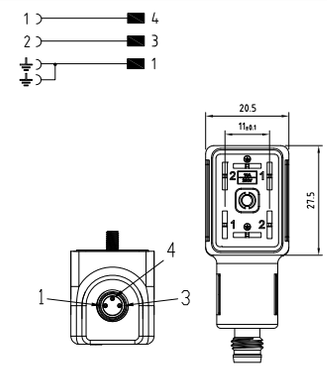
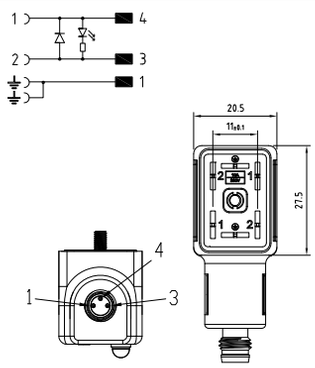
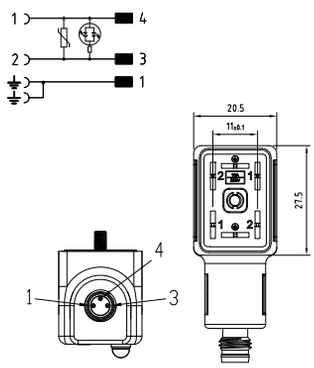


Technical drawing			
Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	A	A	A
Part number	**GBN02000C-12MD**	**GBN02VL1C-12MD**	**GBN02DL1C-12MD**
Description	Adapter square connector EN175301-803 (form A) top exit - M12 circular connector.	Adapter square connector EN175301-803 (form A) top exit - M12 circular connector.	Adapter square connector EN175301-803 (form A) top exit - M12 circular connector.
Contacts spacing	18mm	18mm	18mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	20mm	20mm	20mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V AC/DC	24V DC
Circuit type	-	Bipolar Led + Varistor	Led + Diode(1A)
Led colour	-	Red	Red
Central fixing screw	M3 L=22.5mm	M3 L=22.5mm	M3 L=22.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS



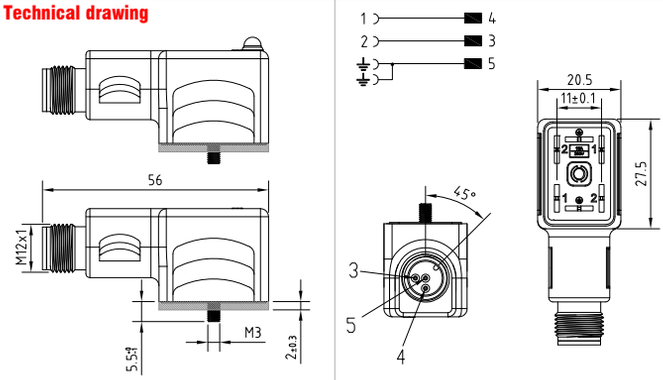


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	Industrial	Industrial	EN175301-803
Construction type	B	B	B
Part number	**M1N02000C-08MD3**	**M1N02DL1C-08MD3**	**M1N02VL1C-08MD3**
Description	Adapter rectangular industrial connector (form B) - M8 circular connector.	Adapter rectangular industrial connector (form B) - M8 circular connector.	Adapter rectangular industrial connector (form B) - M8 circular connector.
Contacts spacing	11mm	11mm	11mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS



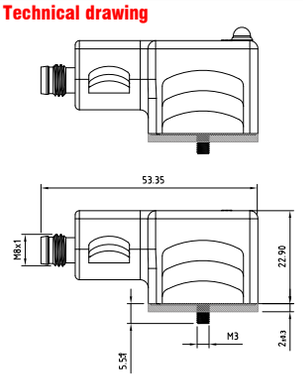
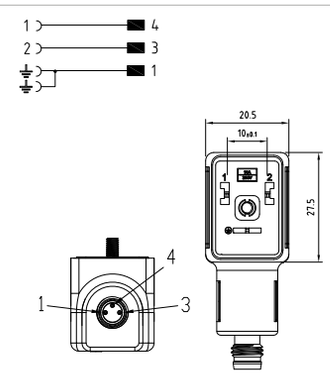
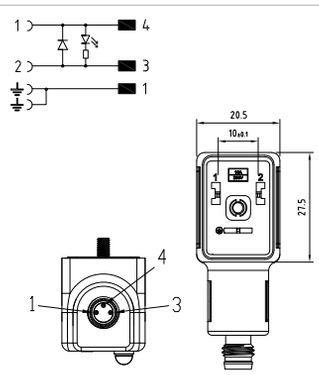
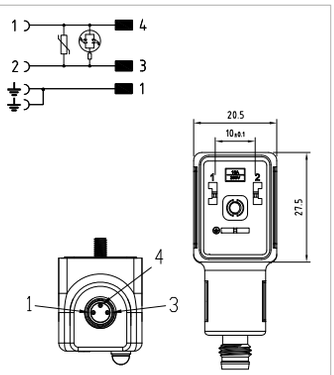


Technical drawing			
Product description			
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	Industrial	Industrial	Industrial
Construction type	B	B	B
Part number	**M1N02000C-12MD3**	**M1N02DL1C-12MD**	**M1N02VL1C-12MD**
Description	Adapter rectangular industrial connector (form B) - M12 circular connector.	Adapter rectangular industrial connector (form B) - M12 circular connector.	Adapter rectangular industrial connector (form B) - M12 circular connector.
Contacts spacing	11mm	11mm	11mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS



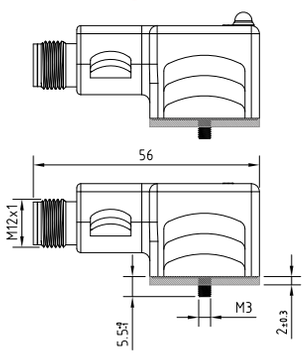
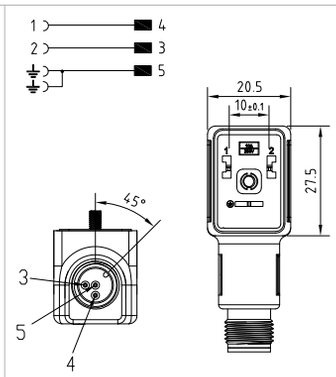
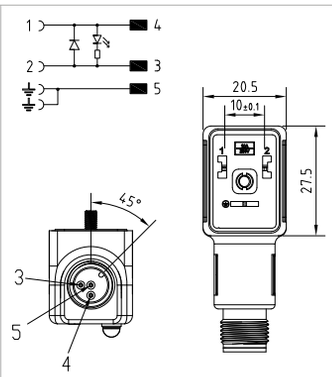
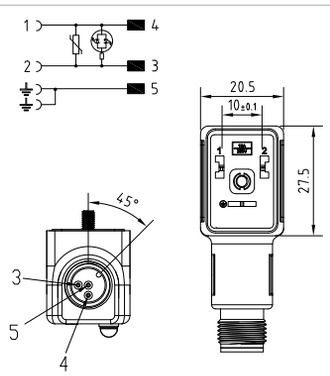


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	B	B	B
Part number	**M2N02000A-08MD3**	**M2N02DL1A-08MD3**	**M2N02VL1A-08MD3**
Description	Adapter rectangular connector EN175301-803 (form B) - M8 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M8 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M8 circular connector.
Contacts spacing	10mm	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6	H.6	H.6
Housing colour	Black	Black	Black
Height housing	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS



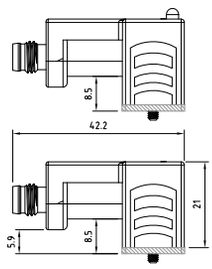
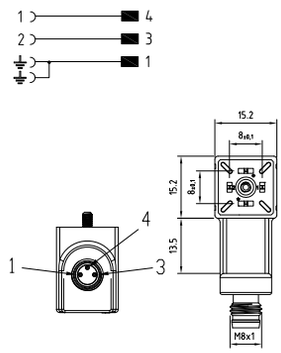
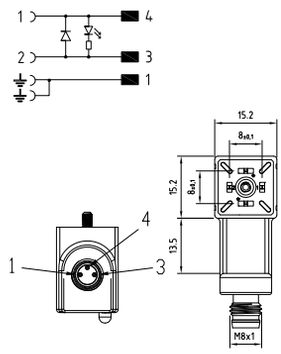
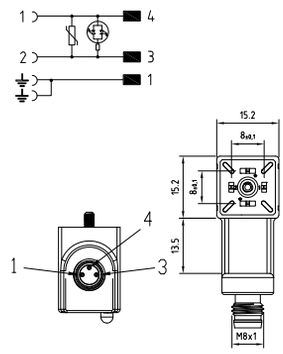


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	B	B	B
Part number	**M2N02000A-12MD3**	**M2N02DL1A-12MD**	**M2N02VL1A-12MD**
Description	Adapter rectangular connector EN175301-803 (form B) - M12 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M12 circular connector.	Adapter rectangular connector EN175301-803 (form B) - M12 circular connector.
Contacts spacing	10mm	10mm	10mm
Number of contacts	2poles + P.E.	2poles + P.E.	2poles + P.E.
Earth positioning	H.6	H.6	H.6
Housing colour	Black	Black	Black
Housing height	22.9mm	22.9mm	22.9mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=25mm	M3 L=25mm	M3 L=25mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS



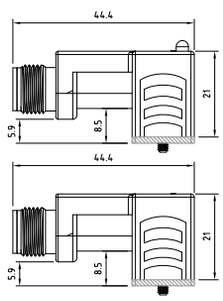
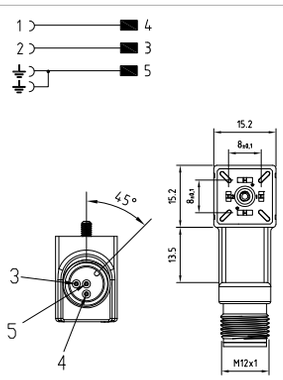
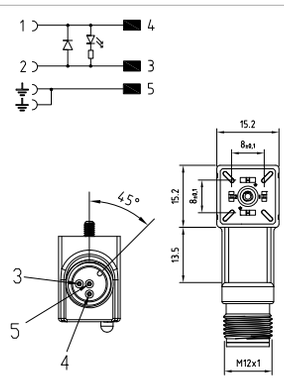
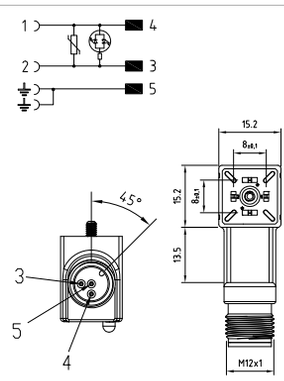


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	**P1N02000C-08MD3**	**P1N02DL1C-08MD3**	**P1N02VL1C-08MD3**
Description	Adapter square connector EN175301-803 (form C) - M8 circular connector.	Adapter square connector EN175301-803 (form C) - M8 circular connector.	Adapter square connector EN175301-803 (form C) - M8 circular connector.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M2.5 L=21.5mm	M2.5 L=21.5mm	M2.5 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS





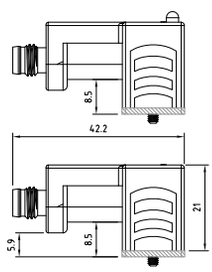
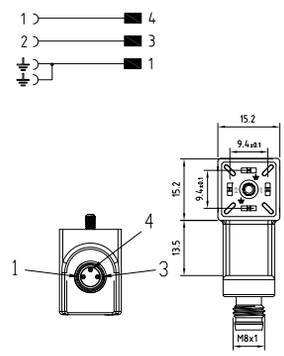
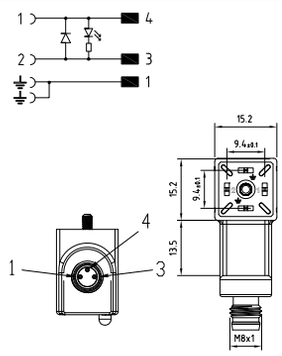
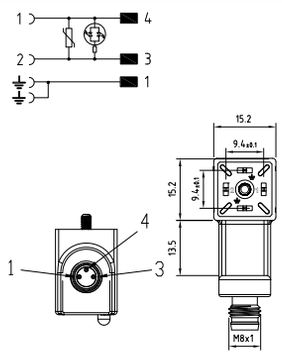
Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	EN175301-803	EN175301-803	EN175301-803
Construction type	C	C	C
Part number	**P1N02000C-12MD**	**P1N02DL1C-12MD**	**P1N02VL1C-12MD**
Description	Adapter square connector EN175301-803 (form C) - M12 circular connector.	Adapter square connector EN175301-803 (form C) - M12 circular connector.	Adapter square connector EN175301-803 (form C) - M12 circular connector.
Contacts spacing	8mm	8mm	8mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M2.5 L=21.5mm	M2.5 L=21.5mm	M2.5 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

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VALVE CONNECTORS



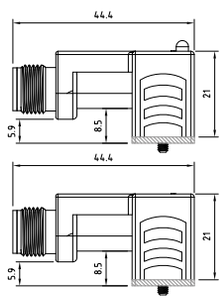
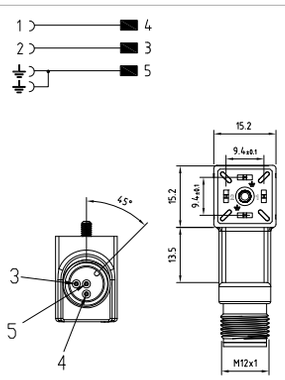
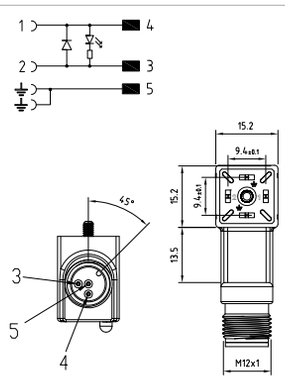
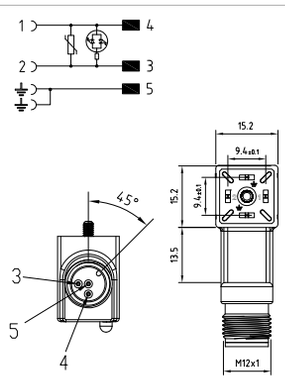


Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector	Adapter DIN valve connector-M8 connector
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	**P2N02000C-08MD3**	**P2N02DL1C-08MD3**	**P2N02VL1C-08MD3**
Description	Adapter square industrial micro connector (form C) - M8 circular connector.	Adapter square industrial micro connector (form C) - M8 circular connector.	Adapter square industrial micro connector (form C) - M8 circular connector.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M8	M8	M8
Technical data			
Rated voltage	60V AC/DC	24V DC	24V AC/DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M8 Connector type	Straight 180°	Straight 180°	Straight 180°
M8 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

VALVE CONNECTORS





Technical drawing				
Product description				
Connector type	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector	Adapter DIN valve connector-M12 connector
Conforms to	Industrial	Industrial	Industrial
Construction type	C	C	C
Part number	**P2N02000C-12MD**	**P2N02DL1C-12MD**	**P2N02VL1C-12MD**
Description	Adapter square industrial micro connector (form C) - M12 circular connector.	Adapter square industrial micro connector (form C) - M12 circular connector.	Adapter square industrial micro connector (form C) - M12 circular connector.
Contacts spacing	9.4mm	9.4mm	9.4mm
Number of contacts	2poles + 2P.E.	2poles + 2P.E.	2poles + 2P.E.
Earth positioning	H.6-12	H.6-12	H.6-12
Housing colour	Black	Black	Black
Housing height	21mm	21mm	21mm
Gasket type	Integrated NBR gasket	Integrated NBR gasket	Integrated NBR gasket
Circular connector type	M12	M12	M12
Technical data			
Rated voltage	60V AC/DC	24V DC	24V DC
Circuit type	-	Led + Diode(1A)	Bipolar Led + Varistor
Led colour	-	Red	Red
Central fixing screw	M3 L=21.5mm	M3 L=21.5mm	M3 L=21.5mm
Central fixing screw material	Iron+Zinc plated	Iron+Zinc plated	Iron+Zinc plated
Central screw torque	0.5 N*m	0.5 N*m	0.5 N*m
M12 Connector type	Straight 180°	Straight 180°	Straight 180°
M12 contacts type	Male 3poles	Male 3poles	Male 3poles
Number of contacts connected	n°3	n°3	n°3
Packaging			
Qty/Bag	1pc / bag	1pc / bag	1pc / bag
Other accessories options			
See accessories section			
Notes:	Connector available with different circuits	Connector available with different led colour	Connector available with different led colour

SPECIFICATIONS:

The Digital Timer is a product for cyclical repetition control.
The load is supplied as soon as the power is switched on.
The "ON" button control is used to select the ON-time valve.
The "OFF" button control is used to select the OFF-time valve between the two sequential times.
The sequence is repeated as long as the power supply remains connected.
The "TEST" button is used to confirm the choice.
Two leds and the display are used to show the TIMER's phase.

INSTALLATION INSTRUCTIONS:

STEP 1 : The DIN connector has to connected on the TIMER and please make sure that the gasket is correctly placed and the screw is correctly tightened (0,5 N/m).

STEP 2 : Switch ON the power.
Note: the voltage must comply with the voltage mentioned on the coil.

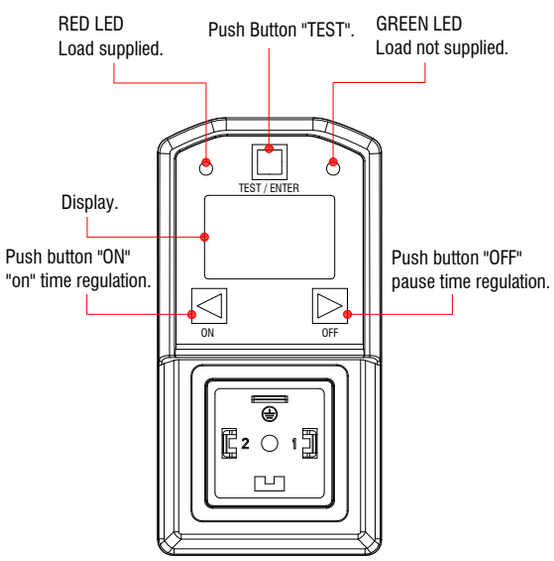
STEP 3 : When the unit is installed correctly and operative, you can change the pre-set values to whatever ranging from 0.5 sec. to 99 sec. for the ON time.
To change ON time simply press the "ON" button for 3 sec. and "sec" will start flashing on right side of the display.
The previously set ON time will appear on the display and the "on" led will be on.
You can now press the "on" button to increase the time or the "off" button to decrease the time.

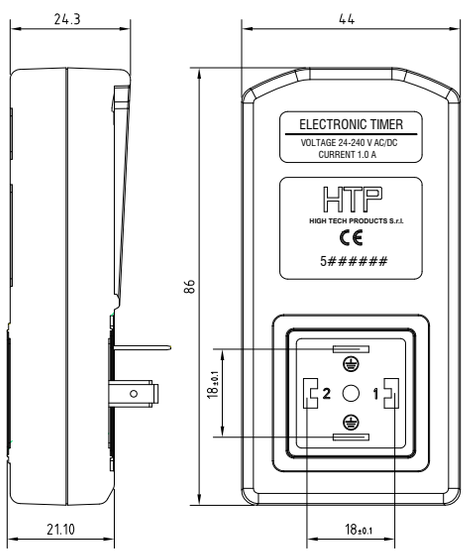
STEP 4 : Press the "Test / Enter" button to confirm your choice.

STEP 5 : You can change the pre-set values to whatever ranging from 0.5 min to 99 min. for the OFF time.
To change the OFF time simply press the 'off' button for 3 sec. and 'min' will start flashing on the right side of the display.
The previously set OFF time will appear on the display and the 'off' led will be on.
You can now press the arrow 'on' button for to increase the time or the 'off' button to decrease the time.

STEP 6 : Press the "test/enter" button to confirm your choice.

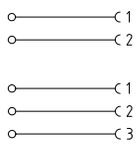
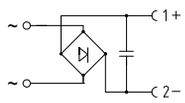
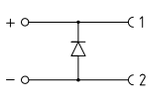
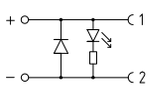
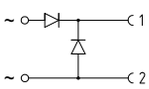
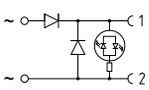
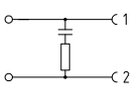
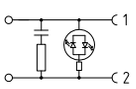
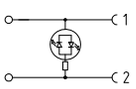
Product description	
Connector type	Digital Timer
Construction type	A
Part number	**TIMER-DIG**
Description	Digital Timer suitable for EN175301-803 connectors (type A)
Contacts spacing	18mm
Number of contacts	2poles + P.E.
Earth positioning	H.12
Housing colour	Black
Timer dimensions	44mm x 86mm x 24.3mm
Gasket type	Flat NBR gasket
Technical data	
Type of termination	Valve Connector EN175301-803 (type A) Valve Base EN175301-803 (type A)
Rated voltage	24V...240V AC/DC 50/60 Hz
Value accuracy	±10%
Max. Current	1 A
Temperature Range	- 10°C +50°C
Led colour	ON time : Red ; OFF time : Green
ON Time	From 0 sec. to 9 sec. ; step 0.5sec. From 10 sec. to 99 sec. ; step 1 sec.
OFF Time	From 0 min. to 9.5 min. ; step 0.5 min. From 10 min. to 99 min. ; step 1 min.
Central fixing screw	M3 L=55mm
Central fixing screw material	Iron+Zinc plated
Central screw torque	0.5 N*m
Material	
Housing material	ABS
Contacts material	Brass + Silver plated
Packaging	
Qty/Box	1pc / box



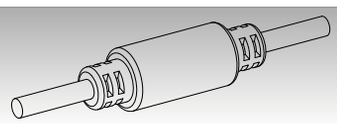




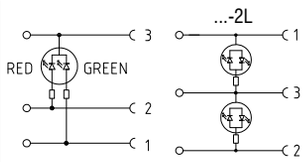
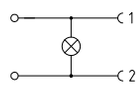
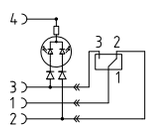
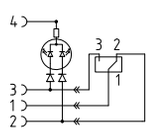
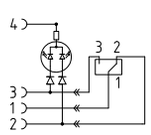
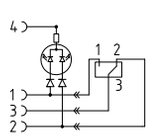
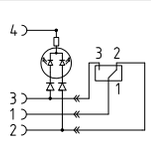
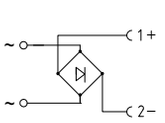
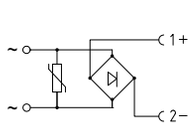
VALVE CONNECTORS

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC		250V 300V	**00**	-	Circuit without electronic components.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		10-230V	**CR**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **Condenser** to reduce the ripple on the output.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
DC		1-230V	**D0**	-	Circuit with **Diode** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
DC		12V 24V 48V 115V 230V	**DG** **DL** **DV**	Yellow Red Green	Circuit with **Diode** to give overvoltage protection when switching off supply and **unipolar** indicator **Led** to confirm voltage supply. Must be respected the polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		1-230V	**E1**	-	Circuit with **Half-wave rectifier** and **Diode** to give overvoltage protection when switching off supply.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC		12V 24V 48V 115V 230V	**EG** **EL** **EV**	Yellow Red Green	Circuit with **Half-wave rectifier** + **Diode** to give overvoltage protection when switching off supply and **bipolar** indicator **Led** to confirm voltage supply.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
AC / DC		10-230V	**F0**	-	**RC decay circuit** to dissipate high energies generate by highly inductive loads.	G1 - G1C G4	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
AC / DC		12V 24V 48V 115V 230V	**FG** **FL** **FV**	Yellow Red Green	**RC decay circuit** to dissipate high energies generate by highly inductive loads and **bipolar** indicator **Led** to confirm voltage supply.	G1-G1C G4	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC / DC		12V 24V 48V 115V 230V	**L8** **L0** **L9**	Yellow Red Green	**Circuit with bipolar** indicator **Led** to confirm voltage supply. Circuit without protection components.	G1-G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C

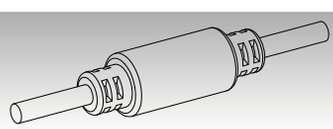
*** = Product avaible with case overmoulded on the cable.**



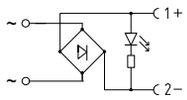
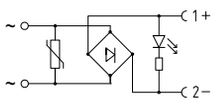
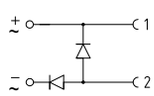
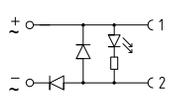
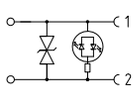
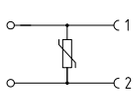
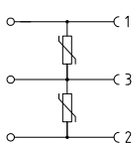
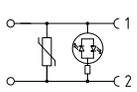
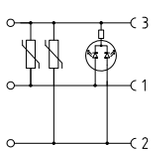
VALVE CONNECTORS

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC		12V 24V 48V 115V 230V	**L2**	PIN 1:Green PIN 2:Red	**Circuit with n°1 bicolour** indicator **Led**. Circuit without protection components.	G1 - G1C G4	-
			L2... -2L	Red	**Circuit with n°2 bipolar** indicator **Leds**. Circuit without protection components.		
AC / DC		12V 24V 48V 115V 230V	**P0**	White	Circuit with **filament lamp indicator** to confirm voltage supply. Circuit without protection components.	G1 - G1C G4 M1 M2	-
DC		12V 24V 48V 115V 230V	**Q0**	PIN 2:Red PIN 3:Green	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1-G1C G4	CG1
DC		12V 24V 48V 115V 230V	**Q1**	PIN 2:Yellow PIN 3:Green	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
DC		12V 24V 48V 115V 230V	**Q2**	PIN 2:Green PIN 3:Yellow	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
DC		12V 24V 48V 115V 230V	**Q6**	PIN 1:Green PIN 2:Red	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 G4	CG1
DC		12V 24V 48V 115V 230V	**Q8**	PIN 2:Green PIN 3:Red	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and n°2 **Diodes** to give overvoltage protection when switching off supply. Must be respected the polarity direction.	G1 - G1C G4	CG1
AC		1-230V	**R0**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC). Circuit without protection components.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC		12V 24V 48V 115V 230V	**RV**	-	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **Varistor** to give overvoltage protection when switching off supply.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*

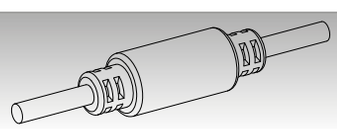
*** = Product avaible with case overmoulded on the cable.**



VALVE CONNECTORS

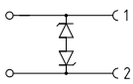
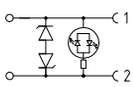
Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC		12V 24V 48V 115V 230V	**RE**	Red	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **unipolar** indicator **Led** to confirm voltage supply. Circuit without protection components.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
AC		12V 24V 48V 115V 230V	**RG**	Yellow	Circuit with **Full-wave rectifier** to polarize the output current (DC) independently to input current type (AC) and **Varistor** to give overvoltage protection when switching off supply + **unipolar** indicator **Led** to confirm voltage supply.	G1 G4 M1 M2	CG1 CM2* CGB CP1* CM1* CP2* CM1B* CP2C*
			RL	Red			
AC / DC		1-230V	**SO**	-	Circuit with **Half-wave rectifier** and **Diode** to give overvoltage protection when switching off supply. With AC it eliminates half a cycle.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC / DC		12V 24V 48V 115V 230V	**SG**	Yellow	Circuit with **Half-wave rectifier** and **Diode** to give overvoltage protection when switching off supply + **unipolar** indicator **Led** to confirm voltage supply. With AC it eliminates half a cycle.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
			SL	Red			
			SV	Green			
AC / DC		12V 24V 48V 115V 230V	**TG**	Yellow	Circuit with **Transient** suppressor(Transil) to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
			TL	Red			
			TV	Green			
AC / DC		12V 24V 48V 115V 230V	**VO**	-	Circuit with **Varistor** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
AC / DC		12V 24V 48V 115V 230V	**V2**	-	**Circuit with n°2 Varistors** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4	CG1 CGB CP1* CP2* CP2C*
AC / DC		12V 24V 48V 115V 230V	**VG**	Yellow	Circuit with **Varistor** to give overvoltage protection when switching off supply and **bipolar** indicator **Led** to confirm voltage supply. Circuit protection component indipendent of polarity direction.	G1-G1C G4 M1 M2 P1 P2	CG1 CM2 CGB CP1 CM1 CP2 CM1B CP2C
			VL	Red			
			VV	Green			
AC / DC		12V 24V 48V 115V 230V	**WL**	PIN 1:Yellow PIN 2:Red	Circuit with **Bicolour Led** to show the position of the changeover contact (ex. pressure switches) and **n°2 Varistors** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1-G1C G4	CG1 CGB CP1* CP2* CP2C*

*** = Product avaible with case overmoulded on the cable.**



HIGH TECH PRODUCTS S.R.L.

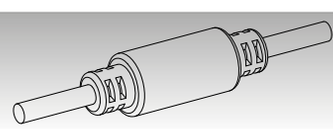
VALVE CONNECTORS

Input type	Wiring diagram	Rated voltage	Circuit code	Led colour	Circuit description	Product type field attachable	Product type with cable
AC / DC		12V 24V 48V 115V 230V	**Z2**	-	Circuit with **n°2 Zener diodes** to give overvoltage protection when switching off supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
AC / DC		12V 24V 48V 115V 230V	**ZG**	Yellow	Circuit with **n°2 Zener diodes** to give overvoltage protection when switching off supply and **bipolar** indicator **Led** to confirm voltage supply. Circuit protection component indipendent of polarity direction.	G1 - G1C G4 M1 M2	CG1 CM2 CGB CP1* CM1 CP2* CM1B CP2C*
			ZL	Red			
			ZV	Green			

NOTES:

-  The circuits with **Full-wave rectifier** component, are available also with 4diodes instead of only one component. Add on the standard code the suffix - 4D.
- All the circuits with diodes are standard delivered for rated current 1A, but on customer request are also avaible diodes for rated current 3A.
- All the circuits with unipolar or bipolar leds are standard delivered in RED colour.
- The minimum lenght of the cable requested between the overmoulded connector head and moulded case is 100mm.
- In case of other circuits or components are requested please contact us to verify the feasibility.

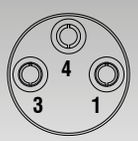
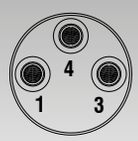
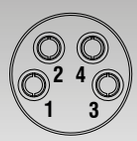
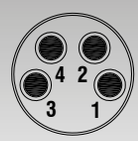
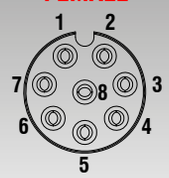
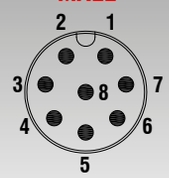
*** = Product avaible with case overmoulded on the cable.**





M8 CIRCULAR CONNECTORS
A-CODED

M8 CIRCULAR CONNECTORS A-CODED

FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
					
3 POLES: 1 : BROWN 3 : BLUE 4 : BLACK		4 POLES: 1 : BROWN 2 : WHITE 3 : BLUE 4 : BLACK		8 POLES: 1 : WHITE 2 : BROWN 3 : GREEN 4 : YELLOW 5 : GREY 6 : PINK 7 : BLUE 8 : RED	

GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

Cable Gland :
Plastic housing: ø CABLE 3.5 - 5mm.
Metal housing: ø CABLE 3.5 - 5.5mm.
SK : ø CABLE 3.5 - 5.5mm.

Conductor cross section :
0.14(26AWG)...0.50mm²(20AWG).

Fixing system :
M8 coupling nut.

Max. screw torque IEC60947-1 :
Contact screw torque 0.1 N*m.
M8 coupling nut torque 0.2N*m.

Type of terminations :
Screw.
Solder wires.

Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.
Brass+Nickel plated.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Flammability resistance :
UL94-V2 - Standard
UL94-V0 - ATEX approved
(upon request).

Protection class :
IP65/67 (assembled).

Operating temperature :
-40°C +90°C.
-25°C +85°C(metal housing).

08	F	C	3	000	-	S	-	##

SERIES
08 : M8 CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

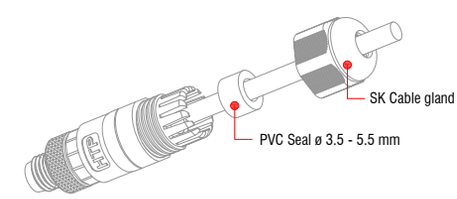
HOUSING TYPE
C : STRAIGHT PLASTIC HOUSING 180°.
1 : STRAIGHT METAL HOUSING 180°.

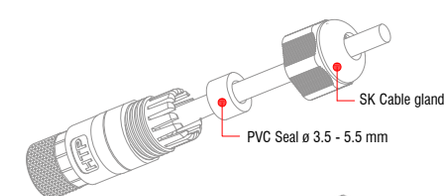
NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES.

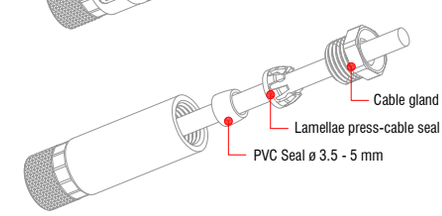
CABLE TYPE AND LENGHT
000 : WITHOUT CABLE.

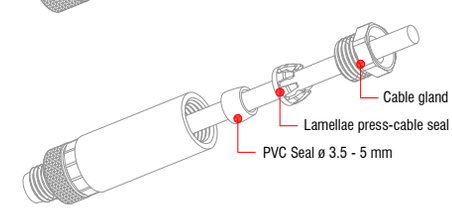
CONTACTS TYPE
NO DIGIT : WITH SOLDER WIRES CONTACTS. **S** : WITH SCREW CONTACTS.

SOME VARIABLES
ATEX : ATEX conform. **HN** : HEXAGONAL M8 COUPLING NUT. **INOX** : M8 COUPLING NUT IN STAINLESS STEEL(AISI304).
IN316 : M8 COUPLING NUT IN STAINLESS STEEL(AISI316). **SK** : Cable gland SK style. **Y** : WITHOUT H.T.P.LOGO.



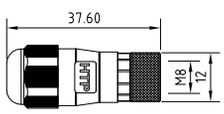
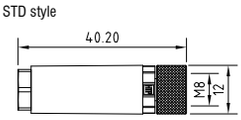
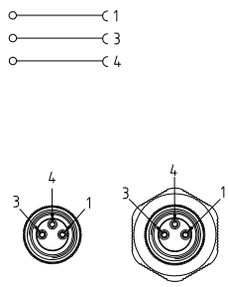
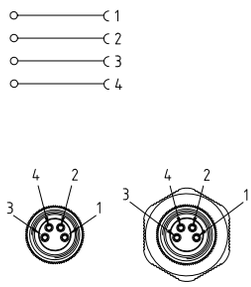
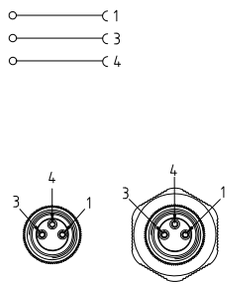
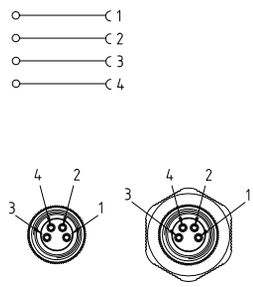






M8 CIRCULAR CONNECTORS A-CODED



Technical drawing								
SK style  STD style 								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Part number	**08FC3000**	**08FC3000-SK**	**08FC4000**	**08FC4000-SK**	**08FC3000-S**	**08FC3000-S-SK**	**08FC4000-S**	**08FC4000-S-SK**
Housing type	Straight 180°		Straight 180°		Straight 180°		Straight 180°	
Cable gland	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model
Description	Circular connector M8 series field attachable		Circular connector M8 series field attachable		Circular connector M8 series field attachable		Circular connector M8 series field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	3poles		4poles		3poles		4poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Contacts to solder wires		Contacts to solder wires		Screw contacts		Screw contacts	
Contact screw torque	-		-		0.1 N*m		0.1 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		50V AC/ 60V DC		50V AC/ 60V DC	
Rated current	3A		3A		3A		3A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 3.5 - 5mm	ø 3.5 - 5.5mm	ø 3.5 - 5mm	ø 3.5 - 5.5mm	ø 3.5 - 5mm	ø 3.5 - 5.5mm	ø 3.5 - 5mm	ø 3.5 -5.5mm
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page								

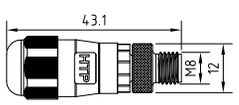
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M8 CIRCULAR CONNECTORS A-CODED

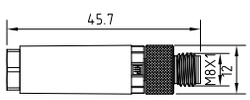


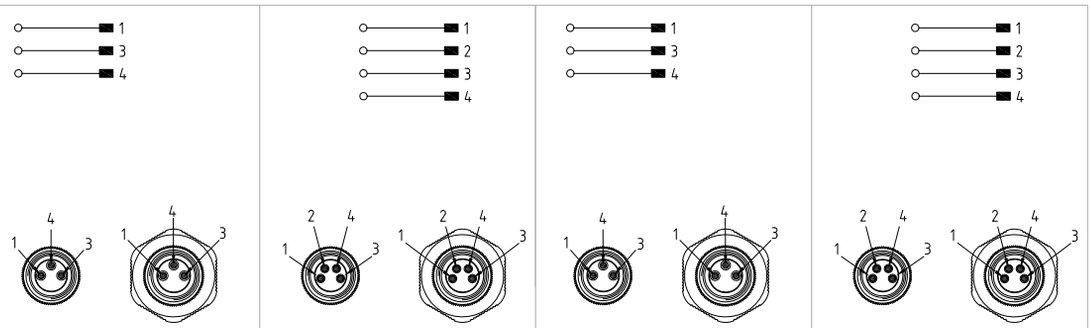
Technical drawing

SK style



STD style



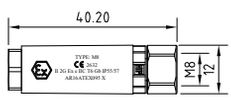
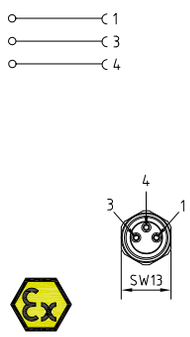
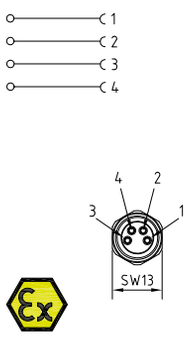
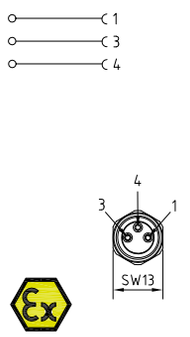
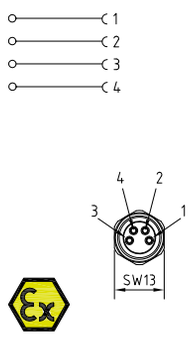


Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Part number	**08MC3000**	**08MC3000-SK**	**08MC4000**	**08MC4000-SK**	**08MC3000-S**	**08MC3000-S-SK**	**08MC4000-S**	**08MC4000-S-SK**
Housing type	Straight 180°		Straight 180°		Straight 180°		Straight 180°	
Cable gland	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model	Exagonal SW10	SK PG7 model
Description	Circular connector M8 series field attachable		Circular connector M8 series field attachable		Circular connector M8 series field attachable		Circular connector M8 series field attachable	
Contacts type	Male		Male		Male		Male	
Number of contacts	3poles		4poles		3poles		4poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Contacts to solder wires		Contacts to solder wires		Screw contacts		Screw contacts	
Contact screw torque	-		-		0.1 N*m		0.1 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		50V AC/ 60V DC		50V AC/ 60V DC	
Rated current	3A		3A		3A		3A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 3.5 - 5mm	ø 3.5 - 5.5mm	ø 3.5 - 5mm	ø 3.5 - 5.5mm	ø 3.5 - 5mm	ø 3.5 - 5.5mm	ø 3.5 - 5mm	ø 3.5 - 5.5mm
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

M8 CIRCULAR CONNECTORS A-CODED



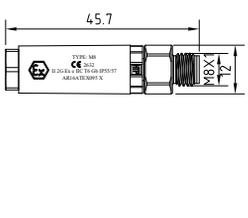
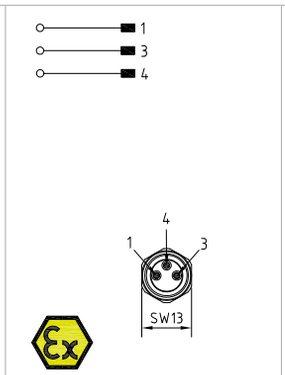
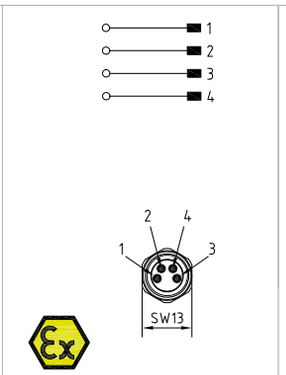
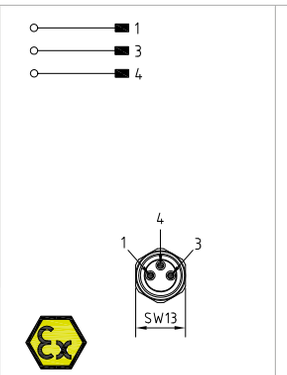
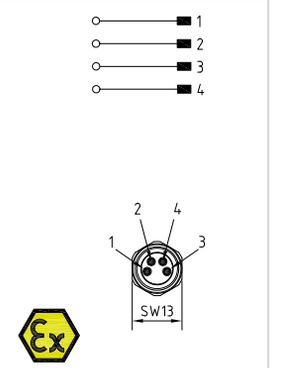
Technical drawing				
				
Product description				
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding	M8 A -Coding
Part number	**08FC3000-ATEX**	**08FC4000-ATEX**	**08FC3000-S-ATEX**	**08FC4000-S-ATEX**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	Exagonal SW10	Exagonal SW10	Exagonal SW10	Exagonal SW10
Description	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.
Contacts type	Female	Female	Female	Female
Number of contacts	3poles	4poles	3poles	4poles
Housing colour	Black	Black	Black	Black
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder wires	Screw contacts	Screw contacts
Contact screw torque	-	-	0.1 N*m	0.1 N*m
Housing material	PA66 UL94-V2	PA66 UL94-V2	PA66 UL94-V2	PA66 UL94-V2
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
M8 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A	3A
Temperature range	-40°C +90°C	-40°C +90°C	-40°C +90°C	-40°C +90°C
O-ring material	NBR	NBR	NBR	NBR
Suitable cable	ø 3.5 - 5mm	ø 3.5 - 5mm	ø 3.5 - 5mm	ø 3.5 - 5mm
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page				

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M8 CIRCULAR CONNECTORS A-CODED



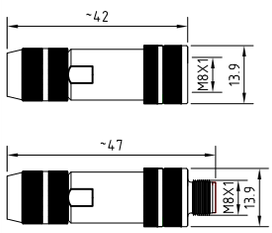
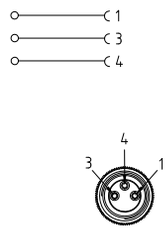
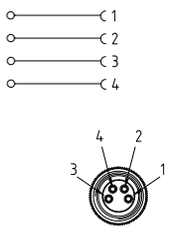
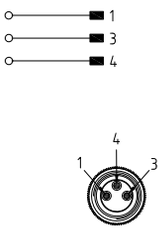
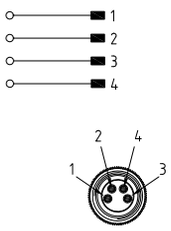



Technical drawing					
Product description					
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104	
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding	M8 A -Coding	
Part number	**08MC3000-ATEX**	**08MC4000-ATEX**	**08MC3000-S-ATEX**	**08MC4000-S-ATEX**	
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°	
Cable gland	Exagonal SW10	Exagonal SW10	Exagonal SW10	Exagonal SW10	
Description	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.	Circular connector M8 series field attachable,ATEX conform.	
Contacts type	Male	Male	Male	Male	
Number of contacts	3poles	4poles	3poles	4poles	
Housing colour	Black	Black	Black	Black	
Technical data					
Type of termination	Contacts to solder wires	Contacts to solder wires	Screw contacts	Screw contacts	
Contact screw torque	-	-	0.1 N*m	0.1 N*m	
Housing material	PA66 UL94-V2	PA66 UL94-V2	PA66 UL94-V2	PA66 UL94-V2	
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round	
M8 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m	0.2 N*m	
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC	
Rated current	3A	3A	3A	3A	
Temperature range	-40°C +90°C	-40°C +90°C	-40°C +90°C	-40°C +90°C	
O-ring material	NBR	NBR	NBR	NBR	
Suitable cable	ø 3.5 - 5mm / ø 3.5 - 5.5mm	ø 3.5 - 5mm / ø 3.5 - 5.5mm	ø 3.5 - 5mm / ø 3.5 - 5.5mm	ø 3.5 - 5mm / ø 3.5 - 5.5mm	
Packaging					
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag	
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page					

M8 CIRCULAR CONNECTORS A-CODED






Technical drawing					
Product description					
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding	M8 A -Coding
Part number	**08F13000**	**08F14000**	**08M13000**	**08M14000**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Description	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.	Circular connector M8 series field attachable for TOTALLY SHIELDED applications.
Contacts type	Female	Female	Male	Male
Number of contacts	3poles	4poles	3poles	4poles
Housing colour	Black	Black	Black	Black
Technical data				
Type of termination	Screw contacts	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.1 N*m	0.1 N*m	0.1 N*m	0.1 N*m
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
M8 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A	3A
Temperature range	-25°C +85°C	-25°C +85°C	-25°C +85°C	-25°C +85°C
O-ring material	NBR	NBR	NBR	NBR
Suitable cable	ø 3.5 - 5.5mm	ø 3.5 - 5.5mm	ø 3.5 - 5.5mm	ø 3.5 - 5.5mm
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page				

GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section :
0.14(26AWG)...0.50mm²(20AWG).

Fixing system :
M8 coupling nut.

Max. screw torque IEC60947-1
M8 coupling nut torque 0.2 N*m.

Type of terminations :
Crimped wires.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Polyurethane.

Internal core material :
PA66.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Protection class :
IP 67/IP69K.

Operating temperature :
-25°C +90°C.

08	F	D	3	A	1Z	08	M	D	-	##

SERIES
08 : M8 CIRCULAR CONNECTOR

GENDER
F : FEMALE **M** : MALE

CONNECTOR TYPE
A : ANGLED 90°.
D : STRAIGHT 180°.
E : ANGLED 90° WITH 2 LED NPN.
F : ANGLED 90° WITH 2 LED PNP.
G : STRAIGHT 180° WITH 2 LED PNP.
H : STRAIGHT 180° WITH 2 LED NPN.
I : STRAIGHT 180° WITH 3 LED PNP.
J : STRAIGHT 180° TOTALLY SHIELDED.
V : ANGLED 90° TOTALLY SHIELDED.
W : STRAIGHT 180° SNAP.
Y : ANGLED 90° SNAP.

NUMBERS OF POLES
3 : 3POLES **4** : 4POLE**S** **8** : 8POLES

CABLE TYPE
SEE CABLES FEATURES PAGE ##

CABLE LENGTH

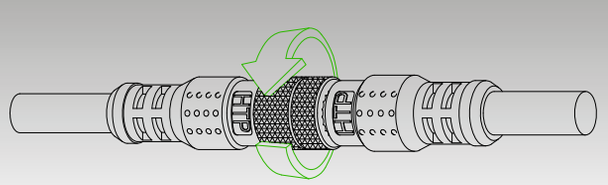
1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1E" = 1.6m"
"...2A" = 2.1m"

EXTENSION
SPECIFY OTHER CONNECTOR'S SIDE

SOME VARIABLES
INOX : M8 COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : M8 COUPLING NUT IN STAINLESS STEEL(AISI316).
HN : HEXAGONAL M8 COUPLING NUT. **S** : SPECIAL STRIPPING/PEELING-TINNING. **Y** : WITHOUT H.T.P.LOGO. **UL** : UL APPROVED.

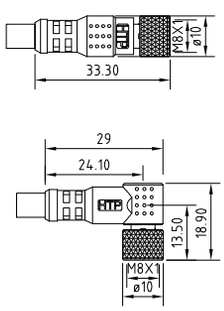
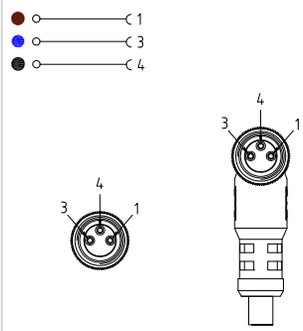
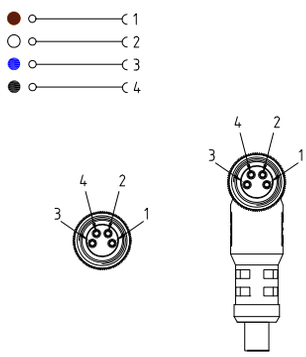
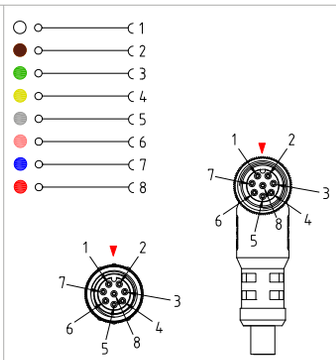
ANTI-VIBRATION SYSTEM:



* Not available for M8 circular connector totally shielded.

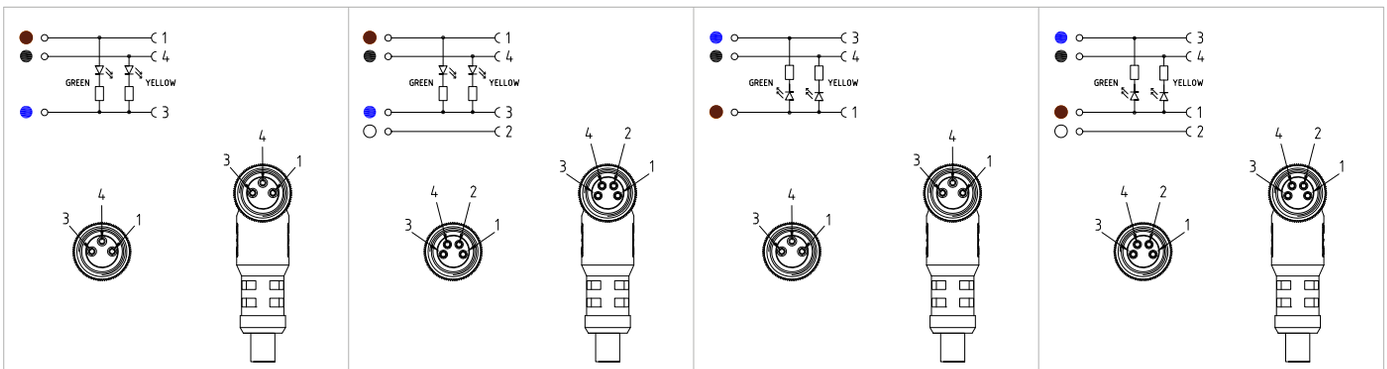
M8 CIRCULAR CONNECTORS A-CODED



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
Description	Circular connector M8 series with moulded cable		Circular connector M8 series with moulded cable		Circular connector M8 series with moulded cable	
Part number	**08FD3A1Z**	**08FA3A1Z**	**08FD4A1Z**	**08FA4A1Z**	**08FD8K1Z**	**08FA8K1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Female		Female	
Number of contacts	3poles		4poles		8poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.2 N*m		0.2 N*m		0.2 N*m	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		30V AC/DC	
Rated current	3A		3A		1.5A	
O-ring material	NBR		NBR		NBR	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.25mm²		4x0.25mm²		8x0.14mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	ø4mm (±0.3)		ø4.4mm (±0.3)		ø4.9mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M8 CIRCULAR CONNECTORS A-CODED

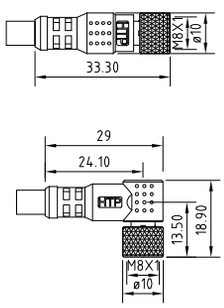
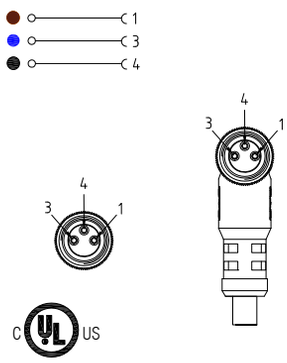
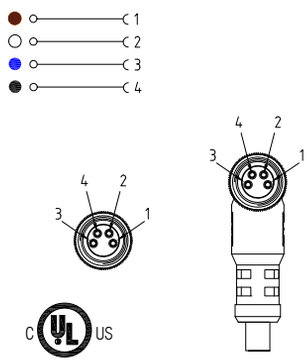




Product description							
Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Circular connector M8 series n.2 Led **PNP** circuit (PIN1: GN;PIN4:YE)with moulded cable		Circular connector M8 series n.2 Led **PNP** circuit (PIN1: GN;PIN4:YE)with moulded cable		Circular connector M8 series n.2 Led **NPN** circuit (PIN3: GN;PIN4:YE)with moulded cable		Circular connector M8 series n.2 Led **NPN** circuit (PIN3: GN;PIN4:YE)with moulded cable	
08FG3A1Z	**08FF3A1Z**	**08FG4A1Z**	**08FF4A1Z**	**08FH3A1Z**	**08FE3A1Z**	**08FH4A1Z**	**08FE4A1Z**
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	
Female		Female		Female		Female	
3poles		4poles		3poles		4poles	
Transparent		Transparent		Transparent		Transparent	
Technical data							
Contacts to solder PCB		Contacts to solder PCB		Contacts to solder PCB		Contacts to solder PCB	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
10-30V DC		10-30V DC		10-30V DC		10-30V DC	
3A		3A		3A		3A	
NBR		NBR		NBR		NBR	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Black		Black		Black		Black	
3x0.25mm²		4x0.25mm²		3x0.25mm²		4x0.25mm²	
Brown; Blue; Black		Brown; White; Blue; Black		Brown; Blue; Black		Brown; White; Blue; Black	
ø4mm (±0.3)		ø4.4mm (±0.3)		ø4mm (±0.3)		ø4.4mm (±0.3)	
1m		1m		1m		1m	
Packaging							
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options							
See accessories section							
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section							

M8 CIRCULAR CONNECTORS A-CODED

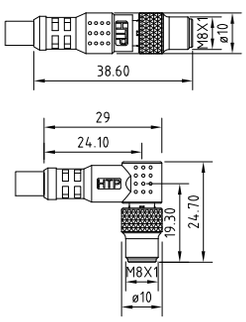
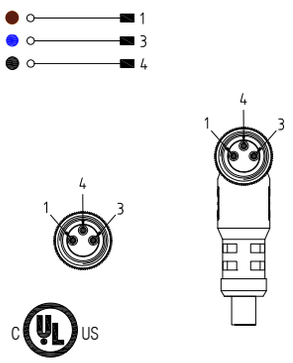
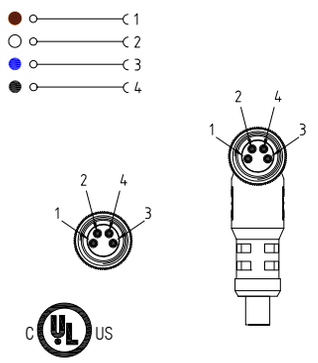


Technical drawing					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-104 / UL approved		IEC 61076-2-104 / UL approved		
Construction type	M8 A -Coding		M8 A -Coding		
Description	Circular connector M8 series,UL approved with moulded cable		Circular connector M8 series,UL approved with moulded cable		
Part number	**O8FD3C1Z-K6-UL**	**O8FA3C1Z-K6-UL**	**O8FD4D1Z-K6-UL**	**O8FA4D1Z-K6-UL**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female		Female		
Number of contacts	3poles		4poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to crimp wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M8 coupling nut torque	0.2 N*m		0.2 N*m		
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
Rated current	3A		3A		
O-ring material	NBR		NBR		
Cable type	PUR/TPO ULstyle 21576 HIGH FLEX		PUR/TPO ULstyle 21576 HIGH FLEX		
Cable jacket colour	Black		Black		
No.Conductors / Section	3xAWG24 (0.25mm²)		4xAWG22 (0.34mm²)		
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		
Cable diameter	ø4.1mm (±0.3)		ø4.8mm (±0.3)		
Cable length	1m		1m		
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

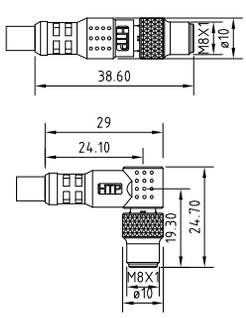
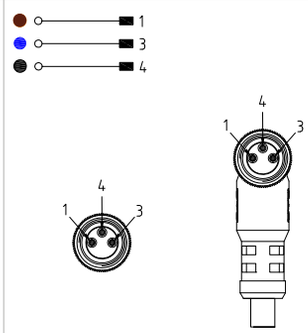
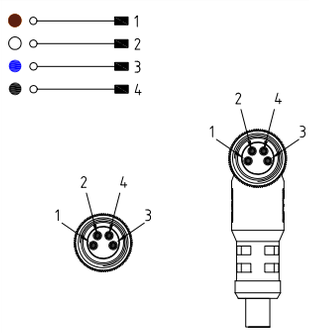
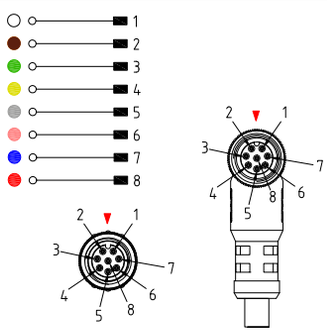
M8 CIRCULAR CONNECTORS A-CODED



Technical drawing					
					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-104 / UL approved		IEC 61076-2-104 / UL approved		
Construction type	M8 A -Coding		M8 A -Coding		
Description	Circular connector M8 series,UL approved with moulded cable		Circular connector M8 series,UL approved with moulded cable		
Part number	**08MD3C1Z-K6-UL**	**08MA3C1Z-K6-UL**	**08MD4D1Z-K6-UL**	**08MA4D1Z-K6-UL**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Male		Male		
Number of contacts	3poles		4poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to crimp wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M8 coupling nut torque	0.2 N*m		0.2 N*m		
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
Rated current	3A		3A		
O-ring material	-		-		
Cable type	PUR/TPO ULstyle 21576 HIGH FLEX		PUR/TPO ULstyle 21576 HIGH FLEX		
Cable jacket colour	Black		Black		
No.Conductors / Section	3xAWG24 (0.25mm²)		4xAWG22 (0.34mm²)		
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		
Cable diameter	ø4.1mm (±0.3)		ø4.8mm (±0.3)		
Cable length	1m		1m		
Packaging					
Qty/Bag	Variable according cable length.		Variable according cable length.		
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section					

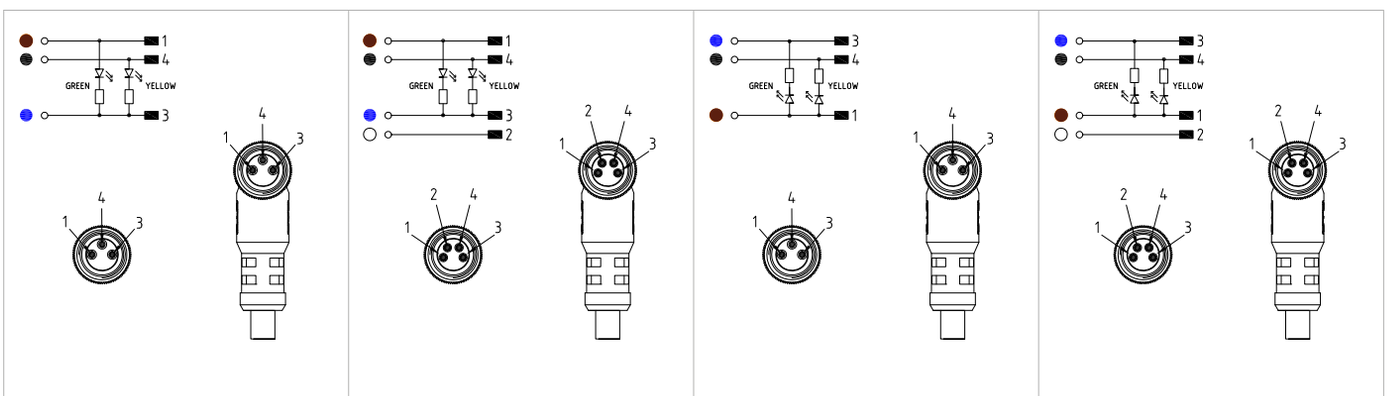
M8 CIRCULAR CONNECTORS A-CODED



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
Description	Circular connector M8 series with moulded cable		Circular connector M8 series with moulded cable		Circular connector M8 series with moulded cable	
Part number	**08MD3A1Z**	**08MA3A1Z**	**08MD4A1Z**	**08MA4A1Z**	**08MD8K1Z**	**08MA8K1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Male		Male		Male	
Number of contacts	3poles		4poles		8poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.2 N*m		0.2 N*m		0.2 N*m	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		30V AC/DC	
Rated current	3A		3A		1.5A	
O-ring material	-		-		-	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.25mm²		4x0.25mm²		8x0.14mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	ø4mm (±0.3)		ø4.4mm (±0.3)		ø4.9mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M8 CIRCULAR CONNECTORS A-CODED

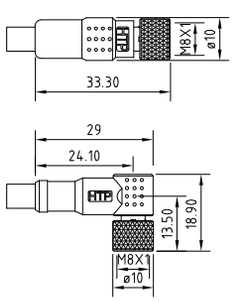
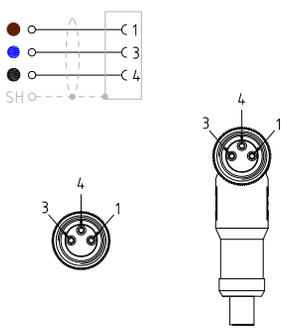
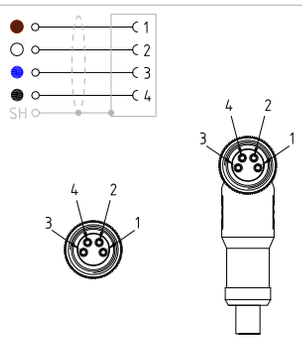




Product description							
Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
M8 A -Coding		M8 A -Coding		M8 A -Coding		M8 A -Coding	
Circular connector M8 series n.2 Led **PNP** circuit (PIN1: GN;PIN4:YE)with moulded cable		Circular connector M8 series n.2 Led **PNP** circuit (PIN1: GN;PIN4:YE)with moulded cable		Circular connector M8 series n.2 Led **NPN** circuit (PIN3: GN;PIN4:YE)with moulded cable		Circular connector M8 series n.2 Led **NPN** circuit (PIN3: GN;PIN4:YE)with moulded cable	
08MG3A1Z	**08MF3A1Z**	**08MG4A1Z**	**08MF4A1Z**	**08MH3A1Z**	**08ME3A1Z**	**08MH4A1Z**	**08ME4A1Z**
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	
Male		Male		Male		Male	
3poles		4poles		3poles		4poles	
Transparent		Transparent		Transparent		Transparent	
Technical data							
Contacts to solder PCB		Contacts to solder PCB		Contacts to solder PCB		Contacts to solder PCB	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
10-30V DC		10-30V DC		10-30V DC		10-30V DC	
3A		3A		3A		3A	
-		-		-		-	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Black		Black		Black		Black	
3x0.25mm²		4x0.25mm²		3x0.25mm²		4x0.25mm²	
Brown; Blue; Black		Brown; White; Blue; Black		Brown; Blue; Black		Brown; White; Blue; Black	
ø4mm (±0.3)		ø4.4mm (±0.3)		ø4mm (±0.3)		ø4.4mm (±0.3)	
1m		1m		1m		1m	
Packaging							
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options							
See accessories section							
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section							

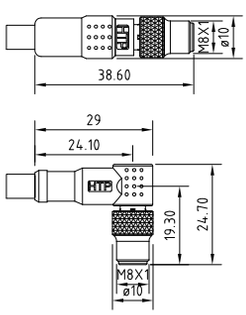
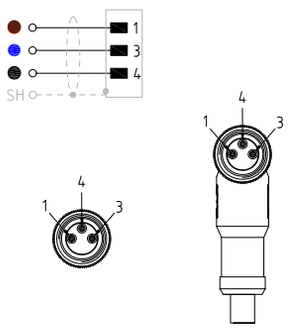
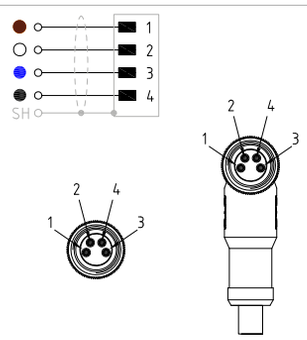
M8 CIRCULAR CONNECTORS A-CODED



Technical drawing					
					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-104		IEC 61076-2-104		
Construction type	M8 A -Coding		M8 A -Coding		
Description	Circular connector M8 series TOTALLY SHIELDED connector with moulded cable		Circular connector M8 series TOTALLY SHIELDED connector with moulded cable		
Part number	**08FJ3J1Z**	**08FV3J1Z**	**08FJ4J1Z**	**08FV4J1Z**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female		Female		
Number of contacts	3poles		4poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to crimp wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M8 coupling nut torque	0.2 N*m		0.2 N*m		
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
Rated current	3A		3A		
O-ring material	NBR		NBR		
Cable type	PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELDED		
Cable jacket colour	Black		Black		
No.Conductors / Section	3x0.25mm²		4x0.25mm²		
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		
Cable diameter	ø4.4mm (±0.3)		ø4.8mm (±0.3)		
Cable length	1m		1m		
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section					

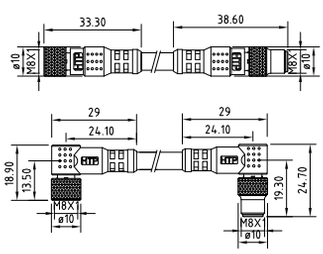
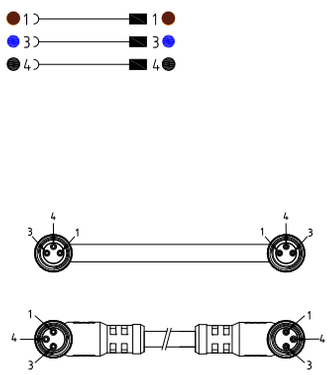
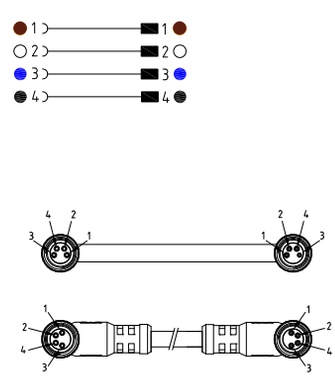
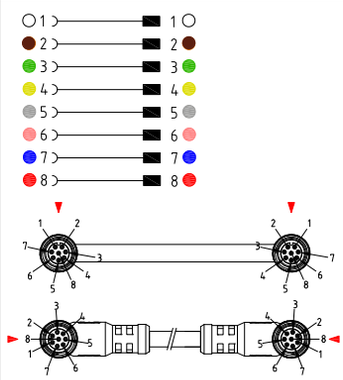
M8 CIRCULAR CONNECTORS A-CODED



Technical drawing					
					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-104		IEC 61076-2-104		
Construction type	M8 A -Coding		M8 A -Coding		
Description	Circular connector M8 series TOTALLY SHIELDED connector with moulded cable		Circular connector M8 series TOTALLY SHIELDED connector with moulded cable		
Part number	**08MJ3J1Z**	**08MV3J1Z**	**08MJ4J1Z**	**08MV4J1Z**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Male		Male		
Number of contacts	3poles		4poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to crimp wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M8 coupling nut torque	0.2 N*m		0.2 N*m		
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
Rated current	3A		3A		
O-ring material	-		-		
Cable type	PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELDED		
Cable jacket colour	Black		Black		
No.Conductors / Section	3x0.25mm²		4x0.25mm²		
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		
Cable diameter	ø4.4mm (±0.3)		ø4.8mm (±0.3)		
Cable length	1m		1m		
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section					

M8 CIRCULAR CONNECTORS A-CODED

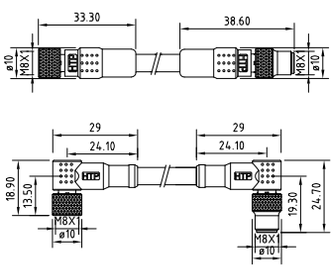
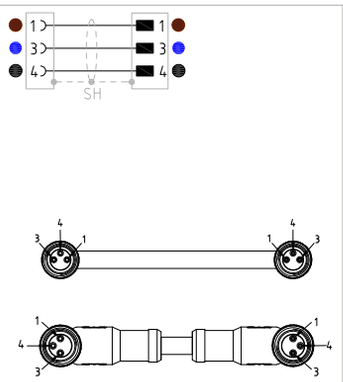
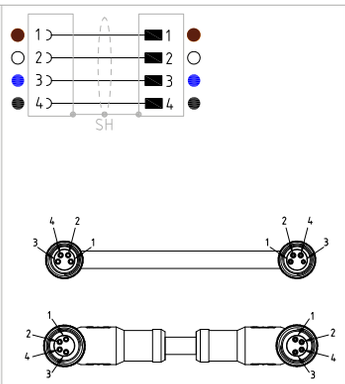


Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
Description	Circular connector M8 series with moulded cable		Circular connector M8 series with moulded cable		Circular connector M8 series with moulded cable	
Part number	**08FD3A1Z08MD**	**08FA3A1Z08MA**	**08FD4A1Z08MD**	**08FA4A1Z08MA**	**08FD8K1Z08MD**	**08FA8K1Z08MA**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female-Male		Female-Male		Female-Male	
Number of contacts	3poles		4poles		8poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.2 N*m		0.2 N*m		0.2 N*m	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		30V AC/DC	
Rated current	3A		3A		1.5A	
O-ring material	NBR		NBR		NBR	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.25mm²		4x0.25mm²		8x0.14mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	ø4mm (±0.3)		ø4.4mm (±0.3)		ø4.9mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

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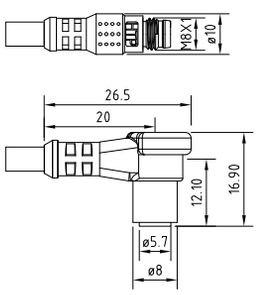
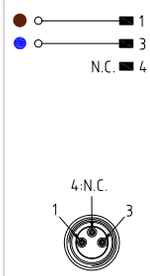
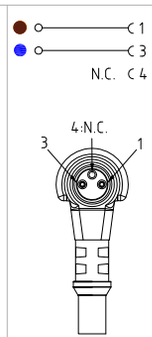
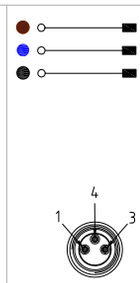
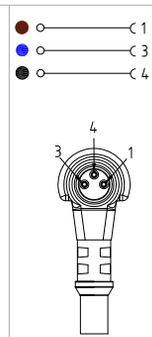
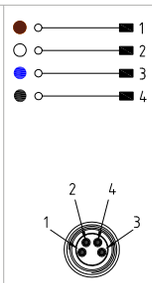
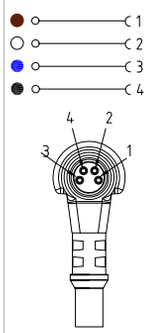
M8 CIRCULAR CONNECTORS A-CODED



Technical drawing					
					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-104		IEC 61076-2-104		
Construction type	M8 A -Coding		M8 A -Coding		
Description	Extension M8-M8 connectors TOTALLY SHIELDED with moulded cable		Extension M8-M8 connectors TOTALLY SHIELDED with moulded cable		
Part number	**08FJ3J1Z08MJ**	**08FV3J1Z08MV**	**08FJ4J1Z08MJ**	**08FV4J1Z08MV**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female-Male		Female-Male		
Number of contacts	3poles		4poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to crimp wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M8 coupling nut torque	0.2 N*m		0.2 N*m		
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		
Rated current	3A		3A		
O-ring material	NBR		NBR		
Cable type	PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELDED		
Cable jacket colour	Black		Black		
No.Conductors / Section	3x0.25mm²		4x0.25mm²		
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		
Cable diameter	ø4.4mm (±0.3)		ø4.8mm (±0.3)		
Cable length	1m		1m		
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section					

M8 CIRCULAR CONNECTORS A-CODED



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-104		IEC 61076-2-104		IEC 61076-2-104	
Construction type	M8 A -Coding		M8 A -Coding		M8 A -Coding	
Description	Circular connector M8 SNAP series with moulded cable		Circular connector M8 SNAP series with moulded cable		Circular connector M8 SNAP series with moulded cable	
Part number	**08MW2N1Z**	**08FY2N1Z-Y**	**08MW3N1Z**	**08FY3N1Z-Y**	**08MW4N1Z**	**08FY4N1Z-Y**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Male	Female	Male	Female	Male	Female
Number of contacts	2poles		3poles		4poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	-		-		-	
M8 coupling nut material	-		-		-	
M8 coupling nut torque	-		-		-	
Rated voltage	50V AC/ 60V DC		50V AC/ 60V DC		50V AC/ 60V DC	
Rated current	3A		3A		3A	
O-ring material	-		-		-	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Grey RAL 7032		Grey RAL 7032		Grey RAL 7032	
No.Conductors / Section	2x0.25mm²		3x0.25mm²		4x0.25mm²	
Conductor colours	Brown; Blue		Brown; Blue; Black		Brown; White; Blue; Black;	
Cable diameter	ø3.5mm (±0.3)		ø4mm (±0.3)		ø4.4mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

GENERAL FEATURES PANEL MOUNT CONNECTORS:

Conductor cross section :
0.14(26AWG)...0.50mm²(20AWG).

Fixing system :
M8 coupling nut.

Max. screw torque IEC60947-1
M8 coupling nut torque 0.2 N*m.

Type of terminations :
Solder wires.
Solder PCB.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Brass+Nickel plated.
Stainless Steel AISI304 (upon request).
Stainless Steel AISI316 (upon request).

Internal core material :
PA66.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-25°C +90°C.

08	F	P	3	A	0B	-	M8X1	-	##

SERIES
08 : M8 CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

CONNECTOR TYPE
P : FRONTAL MOUNTING.
R : BACK MOUNTING.
Q: FRONTAL MOUNTING WITH PCB CONTACTS.
S: BACK MOUNTING WITH PCB CONTACTS.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **8** : 8POLES.

CABLE TYPE
0 : WITHOUT WIRES. **A** : PVC WIRES 0.25mm² **B** : PVC WIRES 0.34mm²
C : PUR WIRES 0.25mm² **D** : PUR WIRES 0.34mm²

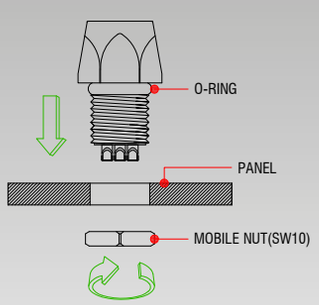
WIRES LENGTH
00: WITHOUT WIRES **0B** : 0.2m **0C** : 0.3m ... **1Z** : 1m

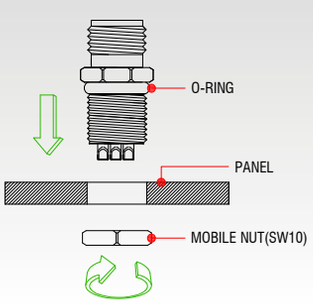
CONTACTS TYPE
M8X1 : FIXING THREAD OF THE PANEL.

SOME VARIABLES
INOX : M8 COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : M8 COUPLING NUT IN STAINLESS STEEL(AISI316).
CO : CONNECTOR WITH CABLE. **CUT** : FIXING THREAD WITH ANTIROTATION CUT.

FRONT MOUNTING:

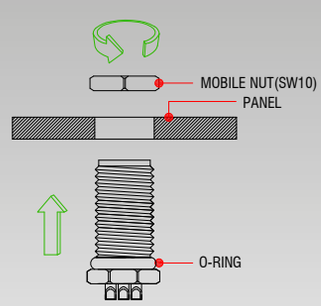
The type of mounting of the panel connector into the panel is defined with reference to the way the connector is mounted into the panel. In front mounting the mobile nut is in the back side towards the panel.





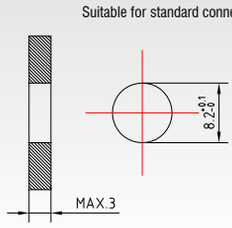
BACK MOUNTING:

The type of mounting of the panel connector into the panel is defined with reference to the way the connector is mounted into the panel. In back mounting the mobile nut is in the front side towards the panel.

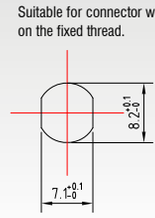


PANEL FEATURES:

Suitable for standard connector.



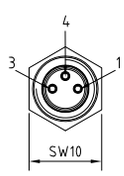
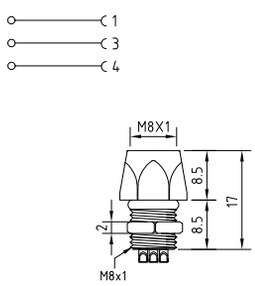
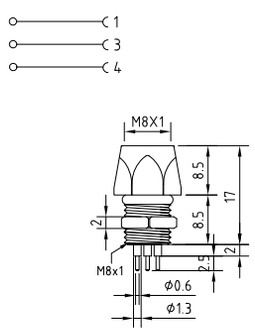
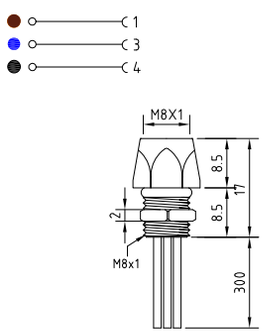
* Suitable for connector with cut on the fixed thread.



M8 CIRCULAR CONNECTORS A-CODED



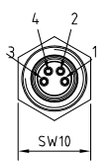
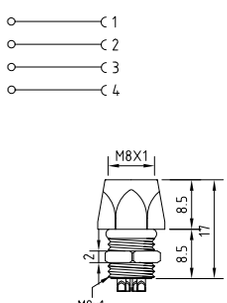
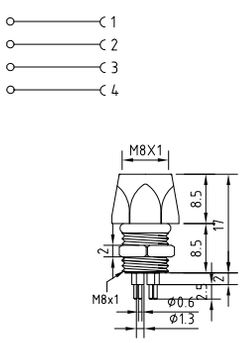
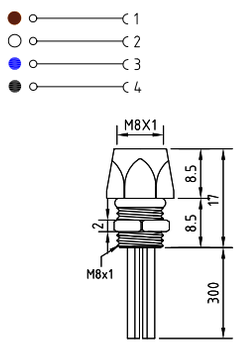


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08FP3000-M8X1**	**08FQ3000-M8X1**	**08FP3A0C-M8X1**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
Number of contacts	3poles	3poles	3poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3x0.25mm²
Conductor colours	-	-	Brown; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



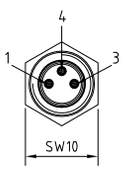
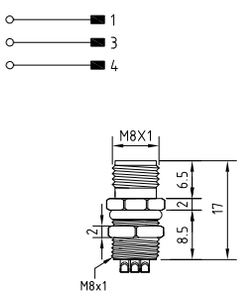
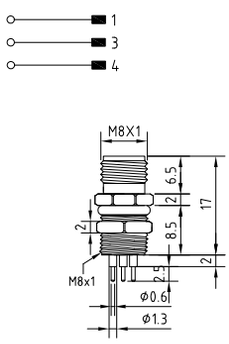
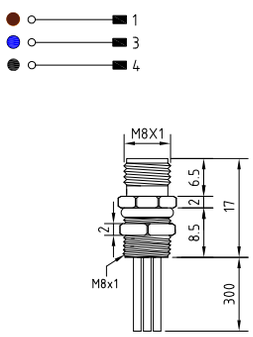


Technical drawing			
			
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08FP4000-M8X1**	**08FQ4000-M8X1**	**08FP4A0C-M8X1**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
Number of contacts	4poles	4poles	4poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4x0.25mm²
Conductor colours	-	-	Brown; White; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



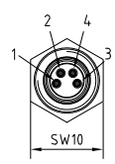
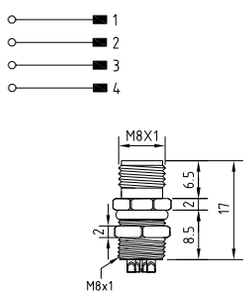
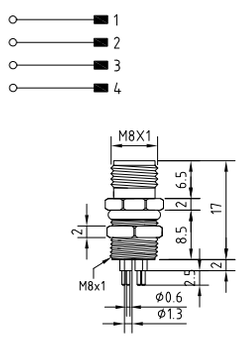
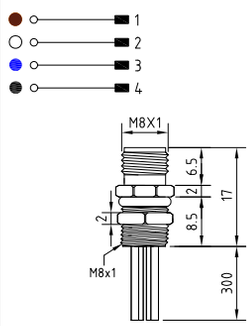


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08MP3000-M8X1**	**08MQ3000-M8X1**	**08MP3A0C-M8X1**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	3poles	3poles	3poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3x0.25mm²
Conductor colours	-	-	Brown; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



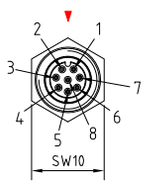
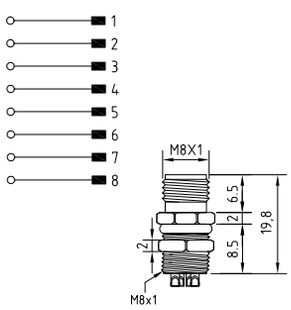
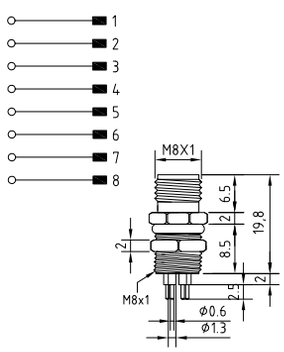
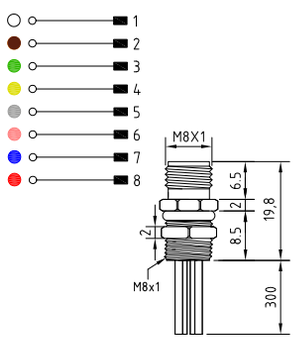


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08MP4000-M8X1**	**08MQ4000-M8X1**	**08MP4A0C-M8X1**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	4poles	4poles	4poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4x0.25mm²
Conductor colours	-	-	Brown; White; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



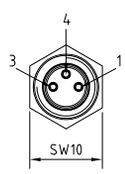
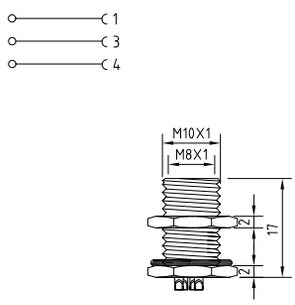
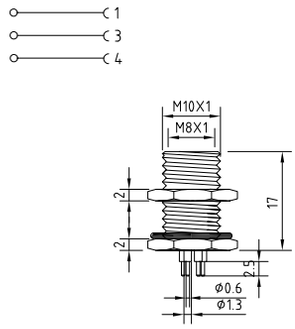
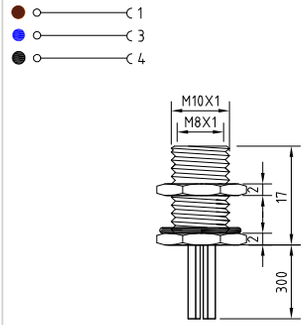


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08MP8000-M8X1**	**08MQ8000-M8X1**	**08MP8A0C-M8X1**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	8poles	8poles	8poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/DC	30V AC/DC	30V AC/DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	8x0.14mm²
Conductor colours	-	-	White;Brown;Green;Yellow;Grey;Pink;Blue;Red
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



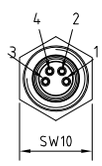
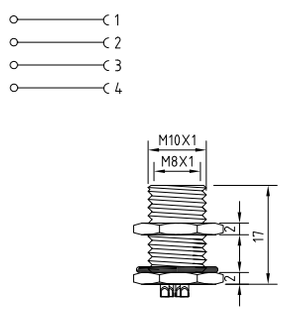
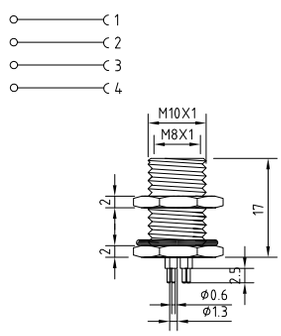
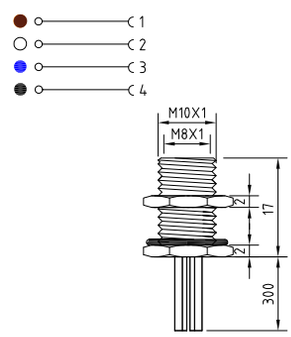


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08FR3000-M8X1**	**08FS3000-M8X1**	**08FR3A0C-M8X1**
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Female	Female	Female
Number of contacts	3poles	3poles	3poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3x0.25mm²
Conductor colours	-	-	Brown; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED





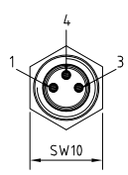
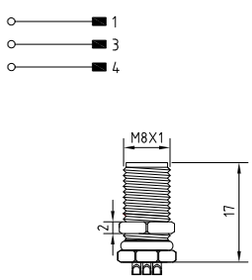
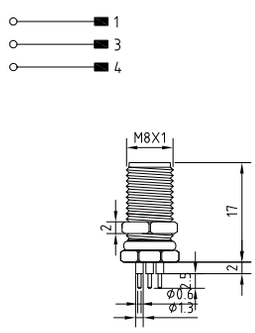
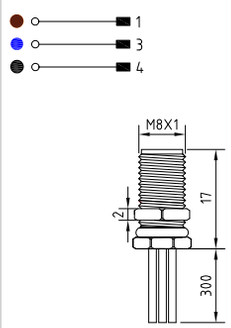
Technical drawing			
			
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08FR4000-M8X1**	**08FS4000-M8X1**	**08FR4A0C-M8X1**
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Female	Female	Female
Number of contacts	4poles	4poles	4poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4x0.25mm²
Conductor colours	-	-	Brown; White; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

M8 CIRCULAR CONNECTORS A-CODED



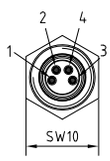
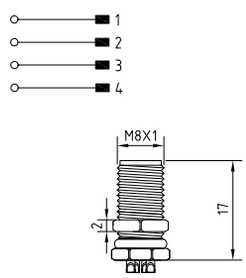
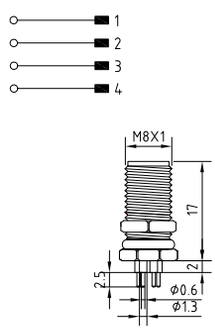
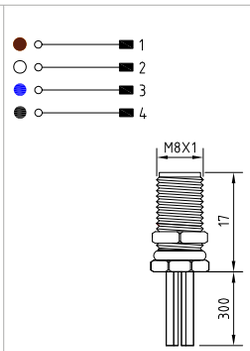


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08MR3000-M8X1**	**08MS3000-M8X1**	**08MR3A0C-M8X1**
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Male	Male	Male
Number of contacts	3poles	3poles	3poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3x0.25mm²
Conductor colours	-	-	Brown; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



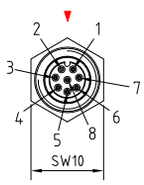
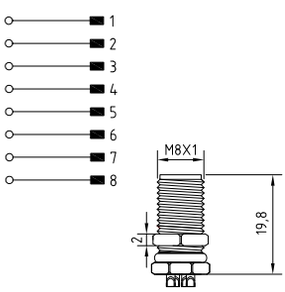
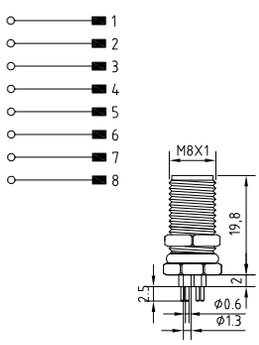
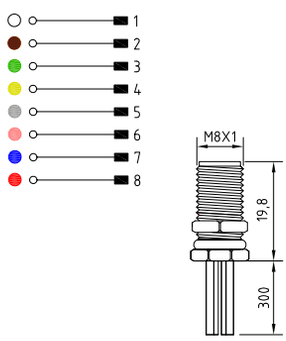


Technical drawing			
			
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08MR4000-M8X1**	**08MS4000-M8X1**	**08MR4A0C-M8X1**
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Male	Male	Male
Number of contacts	4poles	4poles	4poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A	3A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4x0.25mm²
Conductor colours	-	-	Brown; White; Blue; Black
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



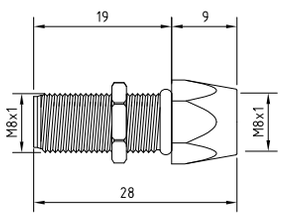
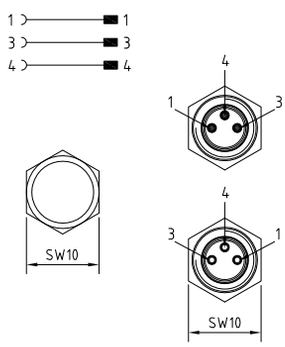
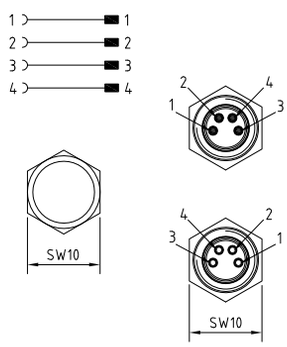


Technical drawing	 		
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding	M8 A -Coding
Description	Circular connector M8 series,panle mount	Circular connector M8,panel mount,with contacts suitable for solder PCB.	Circular connector M8 series,panel mount, with PVC soldered wires.
Part number	**08MR8000-M8X1**	**08MS8000-M8X1**	**08MR8A0C-M8X1**
Mounting type	Back side of the panel	Back side of the panel	Back side of the panel
Contacts type	Male	Male	Male
Number of contacts	8poles	8poles	8poles
Fixing Thread	M8 x 1	M8 x 1	M8 x 1
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m	0.2 N*m
Rated voltage	30V AC/ DC	30V AC/ DC	30V AC/ DC
Rated current	1.5A	1.5A	1.5A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	8x0.14mm²
Conductor colours	-	-	White;Brown;Green;Yellow;Grey;Pink;Blue;Red
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not definited	Not definited
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

M8 CIRCULAR CONNECTORS A-CODED



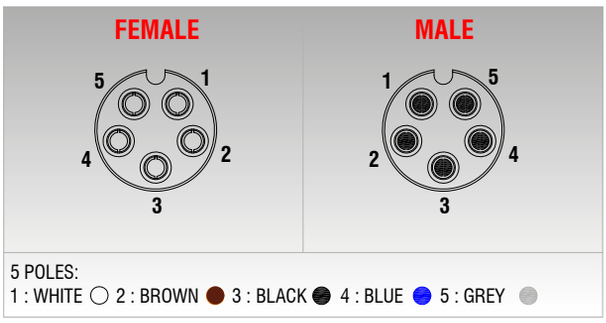


Technical drawing		
		
Product description		
Connector type	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-104	IEC 61076-2-104
Construction type	M8 A -Coding	M8 A -Coding
Description	Adapter Female - Male M8 series circular connector,panel mount	Adapter Female - Male M8 series circular connector,panel mount
Part number	**08FP3-08MP-M8X1**	**08FP4-08MP-M8X1**
Mounting type	Frontal side of the panel	Frontal side of the panel
Contacts type	Female - Male	Female - Male
Number of contacts	3poles	4poles
Fixing Thread	M8 x 1	M8 x 1
Technical data		
Type of termination	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material		Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW10)	Brass+Nickel plated (SW10)
M8 coupling nut torque	0.2 N*m	0.2 N*m
Rated voltage	50V AC/ 60V DC	50V AC/ 60V DC
Rated current	3A	3A
O-ring material	NBR	NBR
Packaging		
Qty/Bag	Not definited	Not definited
Other accessories options		
See accessories section		
Notes:		

Notes:



M9 CIRCULAR CONNECTORS



5 POLES:
1 : WHITE ○ 2 : BROWN ● 3 : BLACK ● 4 : BLUE ● 5 : GREY ●

GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section :
0.14(26AWG)...0.50mm²(20AWG).

Fixing system :
M9 coupling nut.

Max. screw torque IEC60947-1
M9 coupling nut torque 0.2 N*m

Type of terminations :
To solder wires.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Polypropylene (Black).

Internal core material :
PA66.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Protection class :
IP 67

Operating temperature :
-25°C +90°C.

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09	F	J	5	J	1Z	09	M	J	-	##

SERIES
09 : M9 CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

CONNECTOR TYPE
D : STRAIGHT 180°.
J : STRAIGHT 180° TOTALLY SHIELDED.

NUMBERS OF POLES
5 : 5POLES.

CABLE TYPE
J : PVC/PVC CEI2022 5x0.25mm² BLACK.
U: PUR/PUR 5x0.25mm² BLACK.

CABLE LENGTH

1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

EXTENSION
SPECIFY OTHER CONNECTOR'S SIDE.

SOME VARIABLES
INOX : M9 COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : M9 COUPLING NUT IN STAINLESS STEEL(AISI316).
HN : HEXAGONAL M9 COUPLING NUT. **S** : SPECIAL STRIPPING/PEELING-TINNING. **Y** : WITHOUT H.T.P.LOGO.





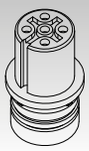
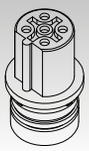
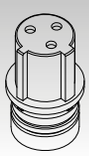
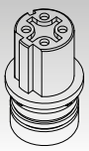
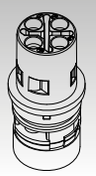
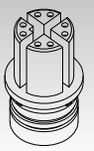
M9 CONNECTORS CABLE:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
J	PVC/PVC	SHIELDED	Black	0.25mm²	5	ø5.2mm	-20°C / +80°C
U	PUR/PUR	SHIELDED	Black	0.25mm²	5	ø5.2mm	-40°C / +80°C

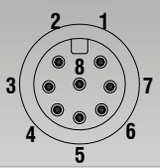
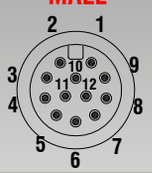


M12 CIRCULAR CONNECTORS

CODING OF M12 CONNECTORS:

A-CODED	B-CODED	C-CODED	D-CODED	S-CODED	X-CODED
					

M12 A-CODED I/O NETWORKS:

FEMALE	MALE	FEMALE	MALE	FEMALE	MALE
					

3 POLES:
1 : BROWN 3 : BLUE 4 : BLACK

4POLES:
1 : BROWN 2 : WHITE 3 : BLUE 4 : BLACK

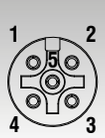
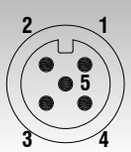
5POLES:
1 : BROWN 2 : WHITE 3 : BLUE 4 : BLACK
5:GREY

8 POLES:
1 : WHITE
2 : BROWN
3 : GREEN
4 : YELLOW
5 : GREY
6 : PINK
7 : BLUE
8 : RED

12 POLES:
1 : BROWN
2 : BLUE
3 : WHITE
4 : GREEN
5 : PINK
6 : YELLOW
7 : BLACK
8 : GREY
9 : RED
10 : VIOLET
11 : PINK/GREY
12 : RED/BLUE

NOTE:
All the connector coding can be used in I/O (Input/Output) networks to prevent connection mistakes using different coupling keys or to be used in many applications when the connectors get coupling with a different cables.

M12 A-CODED DEVICENET NETWORKS:

FEMALE	MALE
	

5 POLES:
1 : SHIELD
2 : RED
3 : BLACK
4 : WHITE
5 : BLUE

DeviceNet™

M12 B-CODED PROFIBUS NETWORKS:

FEMALE	MALE
	

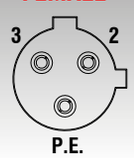
5 POLES:
2 : GREEN
4 : RED
5 : SHIELD
TOTALLY SHIELDED CONNECTOR 360°

PROFI® BUS

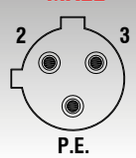
M12 CIRCULAR CONNECTORS

M12 C-CODED I/O NETWORKS:

FEMALE



MALE



3 POLES:
1(P.E.) : YELLOW/GREEN
2 : BLUE
3 : BROWN

M12 D-CODED PROFINET/ETHERCAT NETWORKS:

FEMALE



MALE



5 POLES:
1 : YELLOW
2 : WHITE
3 : ORANGE
4 : BLUE
TOTALLY SHIELDED CONNECTOR 360°

M12 D-CODED ETHERNET NETWORKS:

FEMALE



MALE



5 POLES:
1 : WHITE -ORANGE
2 : ORANGE
3 : WHITE/GREEN
4 : GREEN
5 : SHIELD
TOTALLY SHIELDED CONNECTOR 360°

M12 X-CODED ETHERNET NETWORKS:

FEMALE



MALE



8 POLES:
1 : WHITE -ORANGE
2 : ORANGE
3 : WHITE/GREEN
4 : GREEN
5 : WHITE/BROWN
6 : BROWN
7 : WHITE/BLUE
8 : BLUE
TOTALLY SHIELDED CONNECTOR 360°

M12 S-CODED POWER CONNECTOR :

FEMALE



MALE



4 POLES:
1 : BLACK 1
2 : BLACK 2
3 : BLACK 3
4(P.E.) : YELLOW/GREEN
TOTALLY SHIELDED CONNECTOR 360°

GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

Cable Gland :
Plastic Housing
PG7 : ø CABLE 3.5-6mm.
PG9 : ø CABLE 4-8mm.
PG11 : ø CABLE 6.5-9.5mm.
SK : ø CABLE 4-8.6mm.
Metal Housing : ø CABLE 4-8mm.

Conductor cross section :
0.14(26AWG)...0.75mm²(18AWG).

Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1 :
Contact screw torque 0.2N*m.
M12 coupling nut torque 0.4N*m.

Type of terminations :
Screw.
Solder wires(12 poles).

Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.
Brass+Nickel plated.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Flammability resistance :
UL94-V2 - Standard.
UL94-V0 - ATEX approved
(upon request).

Protection class :
IP65/67 (assembled).

Operating temperature :
-40°C +90°C.
-25°C +85°C(metal housing).

##	-	12	F	C	4	000	-	##

CODING
NO DIGIT : M12 A-CODING
B : M12 B-CODING
D : M12 D-CODING

SERIES
12 : M12 CIRCULAR CONNECTOR.

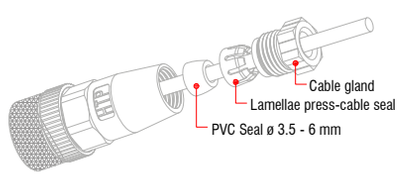
GENDER
F : FEMALE. **M** : MALE.

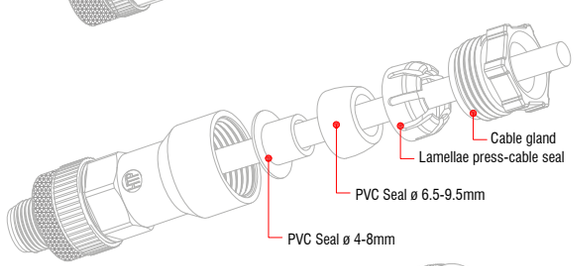
HOUSING TYPE
C : STRAIGHT PLASTIC HOUSING 180° - PG7 CABLE GLAND.
B : ANGLED PLASTIC HOUSING 90° - PG7 CABLE GLAND.
L : STRAIGHT PLASTIC HOUSING 180° - PG11 CABLE GLAND.
U : ANGLED PLASTIC HOUSING 90° - PG11 CABLE GLAND.
1 : STRAIGHT METAL HOUSING 180°

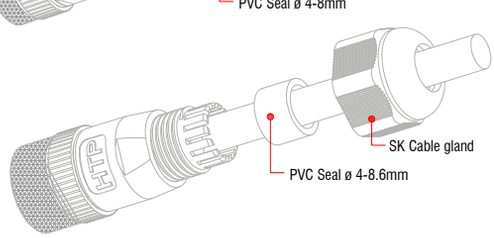
NUMBERS OF POLES
4 : 4POLES. **5** : 5POLES. **8** : 8POLES. **12** : 12POLES.

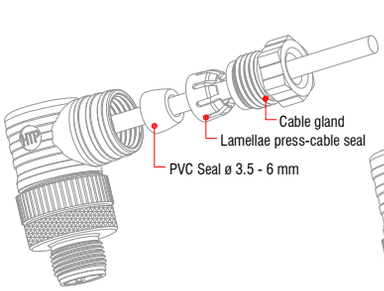
CABLE TYPE AND LENGTH
000 : WITHOUT CABLE.

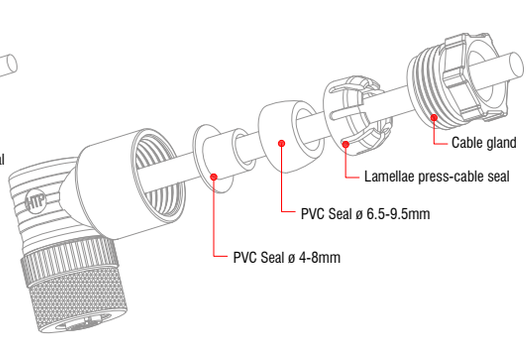
SOME VARIABLES
ATEX : ATEX conform. **H** : HEXAGONAL PRESS CABLE SCREW. **HN** : HEXAGONAL M12 COUPLING NUT.
INOX : M12 COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : M12 COUPLING NUT IN STAINLESS STEEL(AISI316).
SK : Cable gland SK style. **Y** : WITHOUT H.T.P.LOGO.

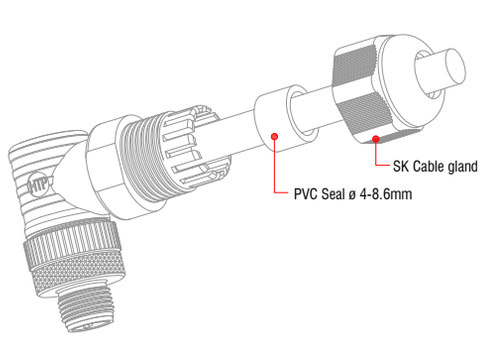








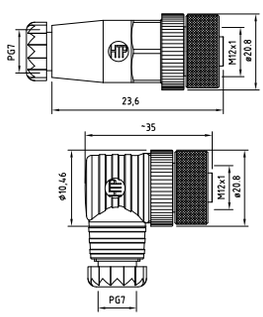


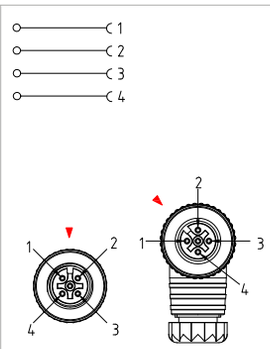


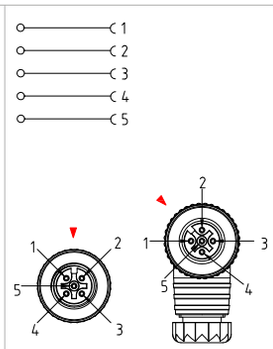
M12 CIRCULAR CONNECTORS

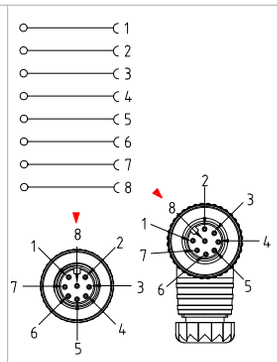


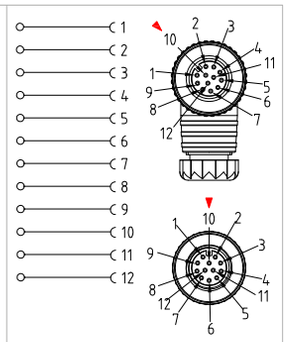
Technical drawing











Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12FC4000**	**12FB4000**	**12FC5000**	**12FB5000**	**12FC8000**	**12FB8000**	**12FC12000**	**12FB12000**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG7 standard		PG7 standard		PG7 standard		PG7 standard	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								

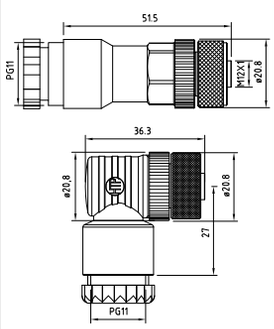
Notes:
Connectors available with different feautures:
See the general features and codification scheme page

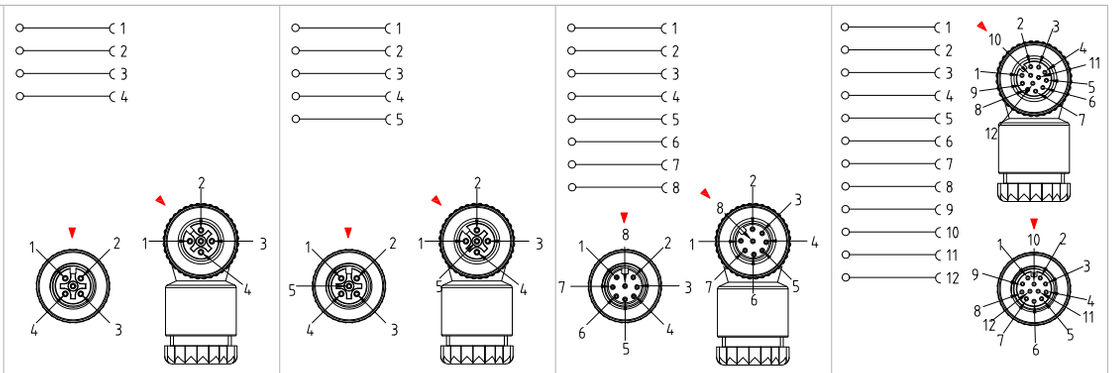
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M12 CIRCULAR CONNECTORS



Technical drawing



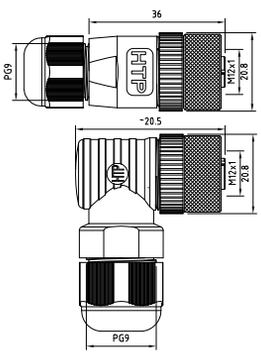
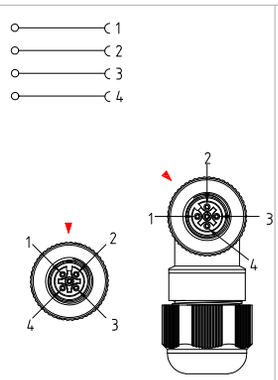
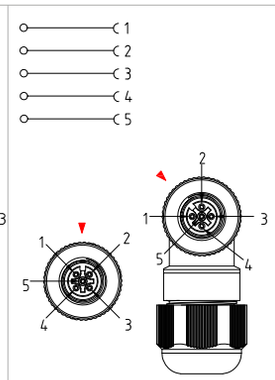
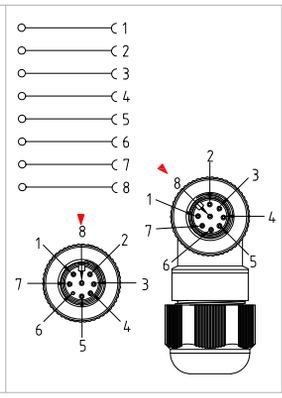
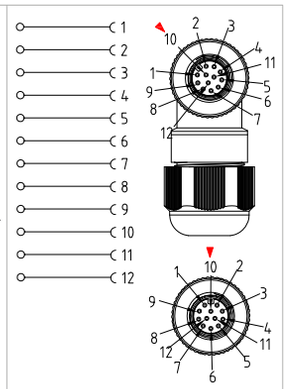


Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12FL4000**	**12FU4000**	**12FL5000**	**12FU5000**	**12FL8000**	**12FU8000**	**12FL12000**	**12FU12000**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG9-11 unified /Double cable exit		PG9-11 unified /Double cable exit		PG9-11 unified /Double cable exit		PG9-11 unified /Double cable exit	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated					
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

M12 CIRCULAR CONNECTORS



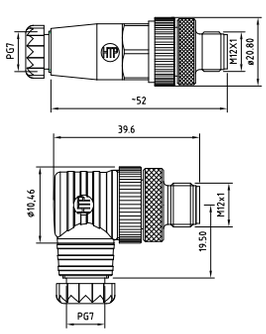
Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12FC4000-SK**	**12FB4000-SK**	**12FC5000-SK**	**12FB5000-SK**	**12FC8000-SK**	**12FB8000-SK**	**12FC12000-SK**	**12FB12000-SK**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG9 SK model		PG9 SK model		PG9 SK model		PG9 SK model	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 9mm		ø 4 - 9mm		ø 4 - 9mm		ø 4 - 9mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page								

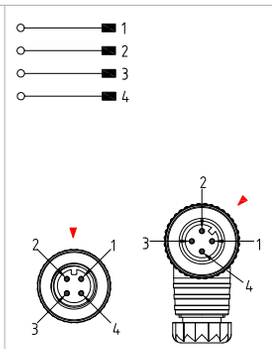
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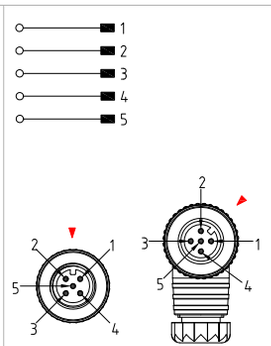
M12 CIRCULAR CONNECTORS

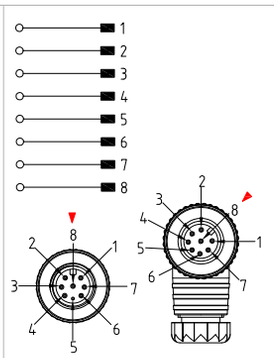


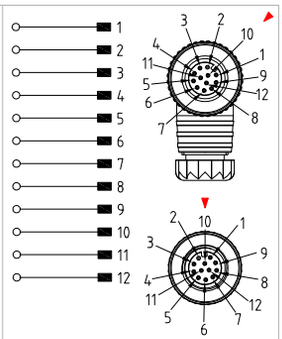
Technical drawing











Product description

Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12MC4000**	**12MB4000**	**12MC5000**	**12MB5000**	**12MC8000**	**12MB8000**	**12MC12000**	**12MB12000**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG7 standard		PG7 standard		PG7 standard		PG7 standard	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Male		Male		Male		Male	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	

Technical data

Type of termination	Screw contacts	Screw contacts	Screw contacts	Solder contacts
Contact screw torque	0.2 N*m	0.2 N*m	0.2 N*m	-
Housing material	PA66 UL94-V2	PA66 UL94-V2	PA66 UL94-V2	PA66 UL94-V2
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC/DC	60V AC/DC	30V AC/DC	30V AC/DC
Rated current	4A	4A	2A	1.5A
Temperature range	-40°C +90°C	-40°C +90°C	-40°C +90°C	-40°C +90°C
O-ring material	NBR	NBR	NBR	NBR
Suitable cable	ø 4 - 6mm	ø 4 - 6mm	ø 4 - 6mm	ø 4 - 6mm

Packaging

Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag

Other accessories options

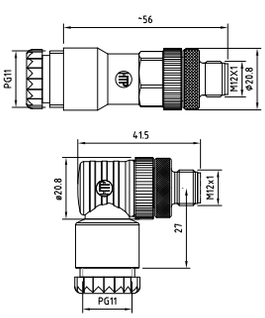
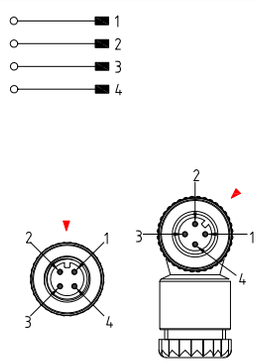
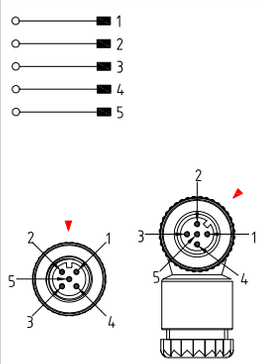
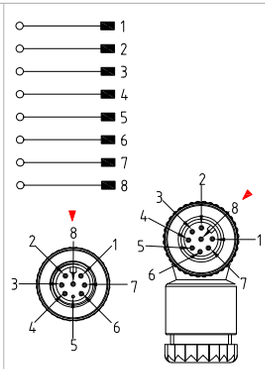
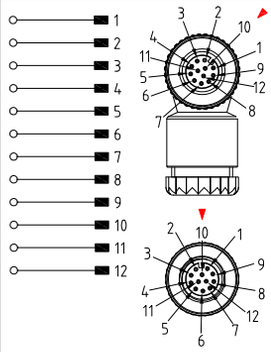
See accessories section

Notes:

Connectors available with different feautures:
See the general features and codification scheme page

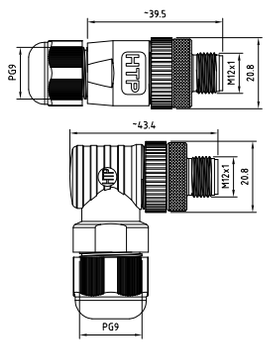
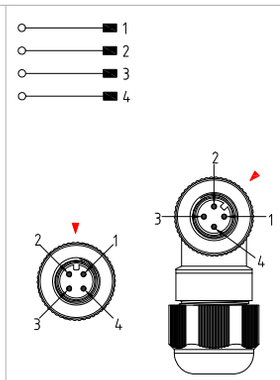
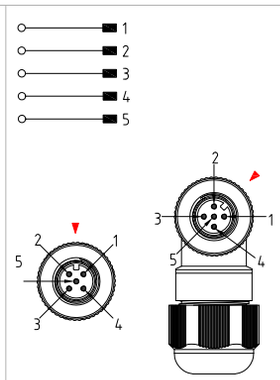
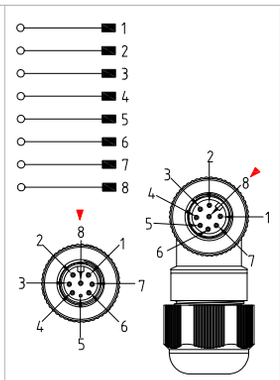
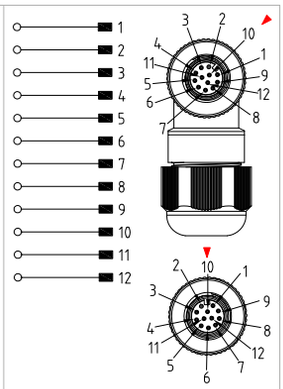
M12 CIRCULAR CONNECTORS



Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12ML4000**	**12MU4000**	**12ML5000**	**12MU5000**	**12ML8000**	**12MU8000**	**12ML12000**	**12MU12000**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG9-11 unified /Double cable exit		PG9-11 unified /Double cable exit		PG9-11 unified /Double cable exit		PG9-11 unified /Double cable exit	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Male		Male		Male		Male	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M8 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page								

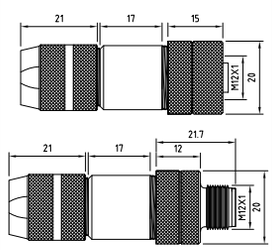
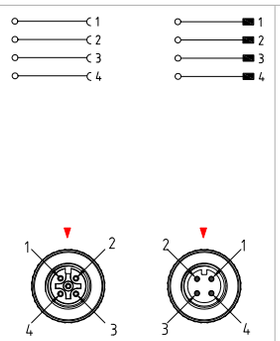
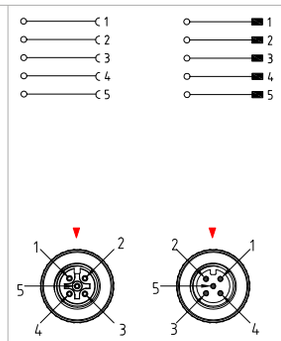
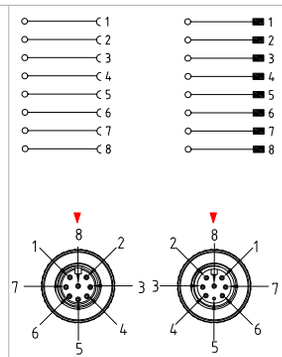
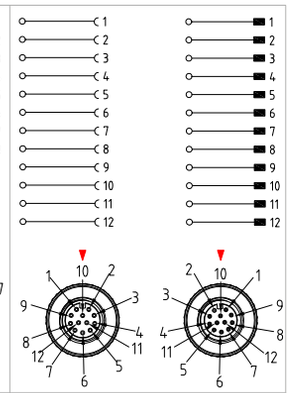
M12 CIRCULAR CONNECTORS



Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12MC4000-SK**	**12MB4000-SK**	**12MC5000-SK**	**12MB5000-SK**	**12MC8000-SK**	**12MB8000-SK**	**12MC12000-SK**	**12MB12000-SK**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG9 SK model		PG9 SK model		PG9 SK model		PG9 SK model	
Description	Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable		Circular connector M12 series field attachable	
Contacts type	Male		Male		Male		Male	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 9mm		ø 4 - 9mm		ø 4 - 9mm		ø 4 - 9mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page								

M12 CIRCULAR CONNECTORS

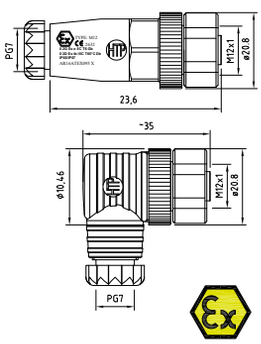
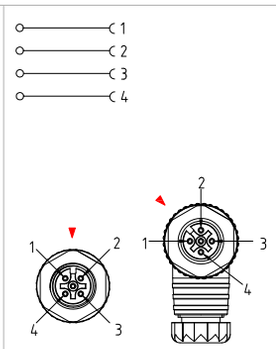
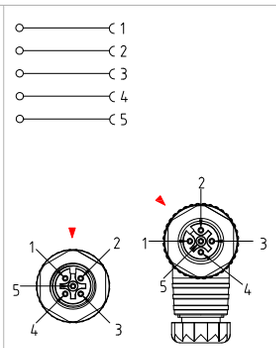
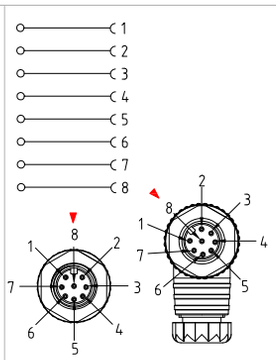
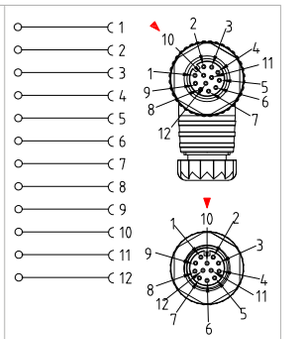


Technical drawing					
Product description					
Connector type	Circular connector field attachable		Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Conforms to	IEC 61076-2-101		IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded		M12 A-Coded	M12 A-Coded	M12 A-Coded
Part number	**12F14000**	**12M14000**	**12F15000**	**12M15000**	**12F18000**	**12M18000**	**12F112000**	**12M112000**
Housing type	Straight 180°		Straight 180°	Straight 180°	Straight 180°
Cable gland	PG9 standard		PG9 standard	PG9 standard	PG9 standard
Description	Circular connector M12 series field attachable TOTALLY SHIELDED		Circular connector M12 series field attachable TOTALLY SHIELDED	Circular connector M12 series field attachable TOTALLY SHIELDED	Circular connector M12 series field attachable TOTALLY SHIELDED
Contacts type	Female	Male	Female	Male	Female	Male	Female	Male
Number of contacts	4poles		5poles	8poles	12poles
Housing colour	Black		Black	Black	Black
Technical data					
Type of termination	Screw contacts		Screw contacts	Screw contacts	Solder contacts
Contact screw torque	0.2 N*m		0.2 N*m	0.2 N*m	-
Housing material	Brass+Nickel plated		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Contacts material	Brass+Gold flash		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round		Knurl round	Knurl round	Knurl round
M8 coupling nut material	Brass+Nickel plated		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M8 coupling nut torque	0.4 N*m		0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC/DC		60V AC/DC	30V AC/DC	30V AC/DC
Rated current	4A		4A	2A	1.5A
Temperature range	-40°C +90°C		-40°C +90°C	-40°C +90°C	-40°C +90°C
O-ring material	NBR		NBR	NBR	NBR
Suitable cable	ø 4 - 8mm		ø 4 - 8mm	ø 4 - 8mm	ø 4 - 8mm
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page					

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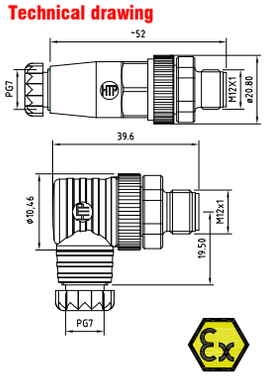
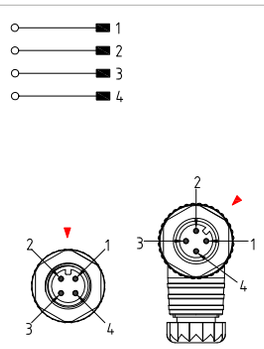
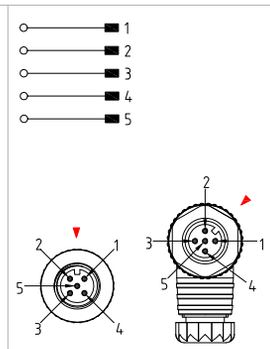
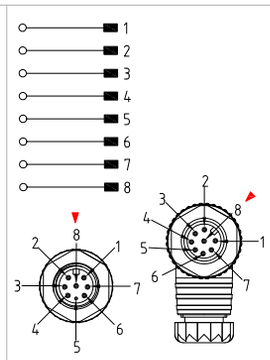
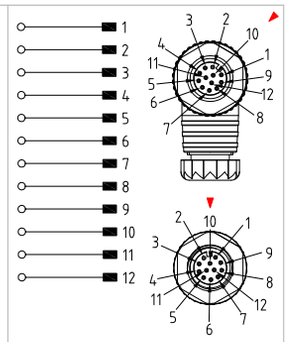
M12 CIRCULAR CONNECTORS



Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12FC4000-ATEX**	**12FB4000-ATEX**	**12FC5000-ATEX**	**12FB5000-ATEX**	**12FC8000-ATEX**	**12FB8000-ATEX**	**12FC12000-ATEX**	**12FB12000-ATEX**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG7 standard		PG7 standard		PG7 standard		PG7 standard	
Description	Circular connector M12 series field attachable,ATEX conform.		Circular connector M12 series field attachable,ATEX conform.		Circular connector M12 series field attachable,ATEX conform.		Circular connector M12 series field attachable,ATEX conform.	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V0		PA66 UL94-V0		PA66 UL94-V0		PA66 UL94-V0	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page								

M12 CIRCULAR CONNECTORS



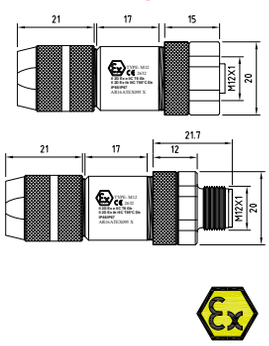
Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12MC4000-ATEX**	**12MB4000-ATEX**	**12MC5000-ATEX**	**12MB5000-ATEX**	**12MC8000-ATEX**	**12MB8000-ATEX**	**12MC12000-ATEX**	**12MB12000-ATEX**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	PG7 standard		PG7 standard		PG7 standard		PG7 standard	
Description	Circular connector M12 series field attachable,ATEX conform.		Circular connector M12 series field attachable,ATEX conform.		Circular connector M12 series field attachable,ATEX conform.		Circular connector M12 series field attachable,ATEX conform.	
Contacts type	Male		Male		Male		Male	
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	PA66 UL94-V0		PA66 UL94-V0		PA66 UL94-V0		PA66 UL94-V0	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm		ø 4 - 6mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								

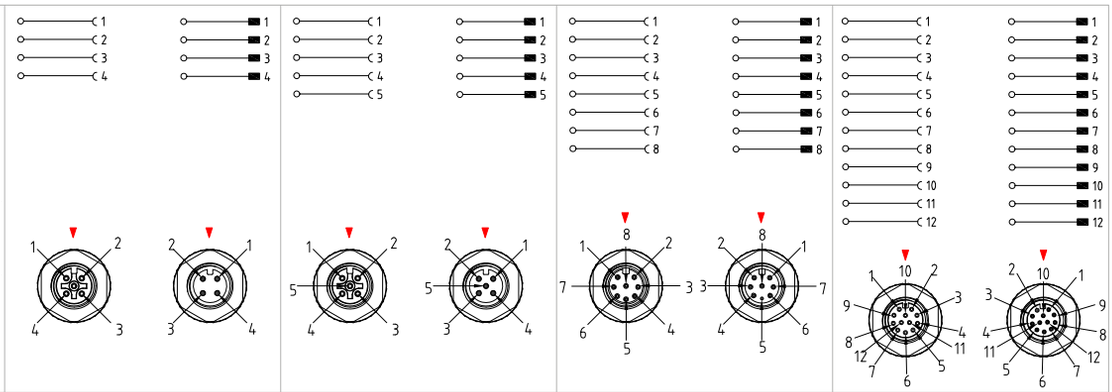
Note:
Connectors available with different feautures:
See the general features and codification scheme page

M12 CIRCULAR CONNECTORS



Technical drawing



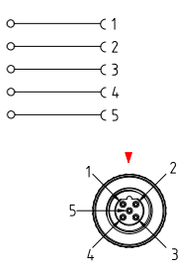
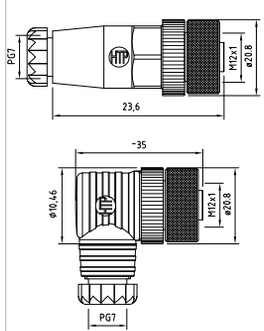
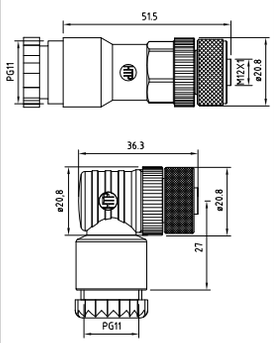
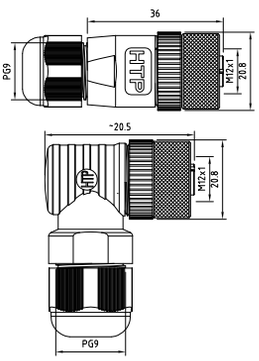
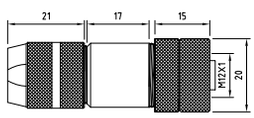


Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Part number	**12F14000-ATEX**	**12M14000-ATEX**	**12F15000-ATEX**	**12M15000-ATEX**	**12F18000-ATEX**	**12M18000-ATEX**	**12F112000-ATEX**	**12M112000-ATEX**
Housing type	Straight 180°		Straight 180°		Straight 180°		Straight 180°	
Cable gland	PG9 standard		PG9 standard		PG9 standard		PG9 standard	
Description	Circular connector M12 series field attachable TOTALLY SHIELDED, ATEX conform.		Circular connector M12 series field attachable TOTALLY SHIELDED, ATEX conform.		Circular connector M12 series field attachable TOTALLY SHIELDED, ATEX conform.		Circular connector M12 series field attachable TOTALLY SHIELDED, ATEX conform.	
Contacts type	Female	Male	Female	Male	Female	Male	Female	Male
Number of contacts	4poles		5poles		8poles		12poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Solder contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		-	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		60V AC/DC		30V AC/DC		30V AC/DC	
Rated current	4A		4A		2A		1.5A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 8mm		ø 4 - 8mm		ø 4 - 8mm		ø 4 - 8mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

M12 CIRCULAR CONNECTORS



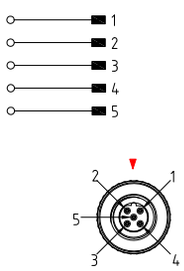
Technical drawing										
										
Product description										
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable			
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101			
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded		M12 B-Coded			
Part number	**B-12FC5000**	**B-12FB5000**	**B-12FL5000**	**B-12FU5000**	**B-12FC5000-SK**	**B-12FB5000-SK**	**B-12F15000**			
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°			
Cable gland	PG7 standard		PG9-11 unified /Double cable exit		SK model		PG9 standard			
Description	Circular connector M12 series B-coded,field attachable		Circular connector M12 series B-coded,field attachable		Circular connector M12 series B-coded,field attachable		Circular connector M12 series B-coded,field attachable			
Contacts type	Female		Female		Female		Female			
Number of contacts	5poles		5poles		5poles		5poles			
Housing colour	Black		Black		Black		Black			
Technical data										
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts			
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m			
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated			
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash			
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round			
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated			
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m			
Rated voltage	60V AC/DC		60V AC/DC		60V AC/DC		60V AC/DC			
Rated current	4A		4A		4A		4A			
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C			
O-ring material	NBR		NBR		NBR		NBR			
Suitable cable	ø 4 - 6mm		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø 4 - 9mm		ø 4 - 8mm			
Packaging										
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag			
Other accessories options										
See accessories section										
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section										

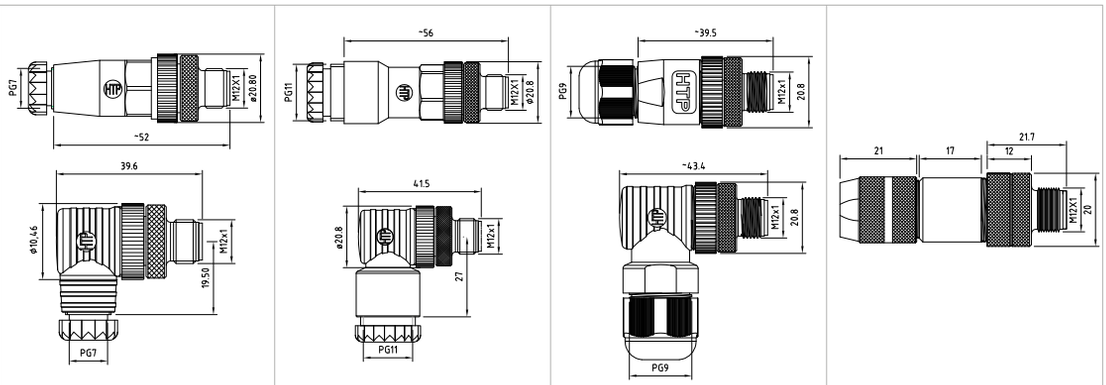
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M12 CIRCULAR CONNECTORS



Technical drawing





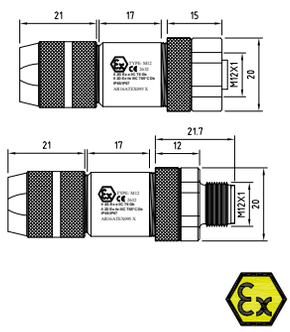
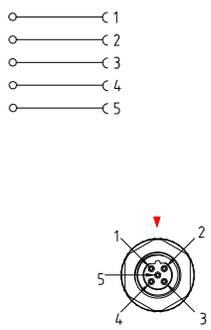
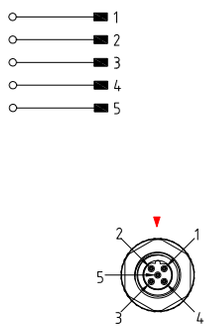
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded		M12 B-Coded	
Part number	**B-12MC5000**	**B-12MB5000**	**B-12ML5000**	**B-12MU5000**	**B-12MC5000-SK**	**B-12MB5000-SK**	**B-12M15000**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	
Cable gland	PG7 standard		PG9-11 unified /Double cable exit		SK model		PG9 standard	
Description	Circular connector M12 series B-coded,field attachable		Circular connector M12 series B-coded,field attachable		Circular connector M12 series B-coded,field attachable		Circular connector M12 series B-coded,field attachable	
Contacts type	Male		Male		Male		Male	
Number of contacts	5poles		5poles		5poles		5poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC/DC		60V AC/DC		60V AC/DC		60V AC/DC	
Rated current	4A		4A		4A		4A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 6mm		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø 4 - 9mm		ø 4 - 8mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

M12 CIRCULAR CONNECTORS





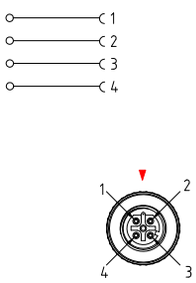
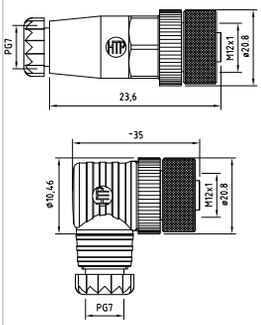
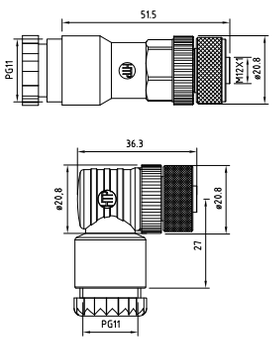
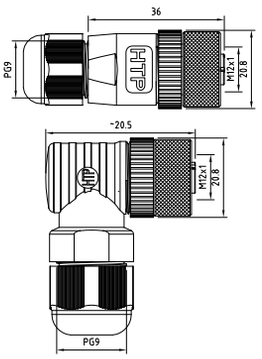
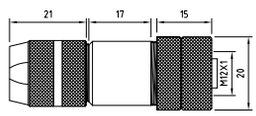
Technical drawing			
			
Product description			
Connector type	Circular connector field attachable	Circular connector field attachable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 B-Coded	M12 B-Coded	
Part number	**B-12F15000-ATEX**	**B-12M15000-ATEX**	
Housing type	Straight 180°	Straight 180°	
Cable gland	PG9 standard	PG9 standard	
Description	Circular connector M12 series B-coded,ATEX conf.,field attachable	Circular connector M12 series B-coded,ATEX conf.,field attachable	
Contacts type	Female	Male	
Number of contacts	5poles	5poles	
Housing colour	Black	Black	
Technical data			
Type of termination	Screw contacts	Screw contacts	
Contact screw torque	0.2 N*m	0.2 N*m	
Housing material	Brass+Nickel plated	Brass+Nickel plated	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Coupling nut type	Knurl round	Knurl round	
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m	0.4 N*m	
Rated voltage	60V AC/DC	60V AC/DC	
Rated current	4A	4A	
Temperature range	-40°C +90°C	-40°C +90°C	
O-ring material	NBR	NBR	
Suitable cable	ø 4 - 8mm	ø 4 - 8mm	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options			
See accessories section			

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

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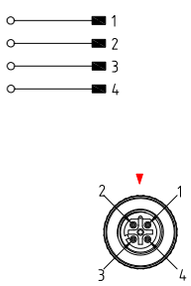
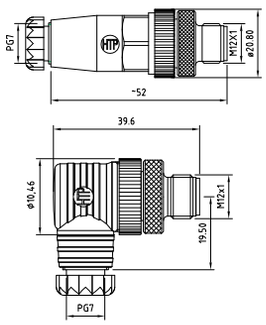
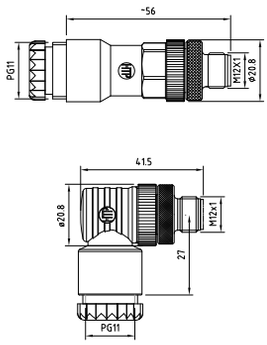
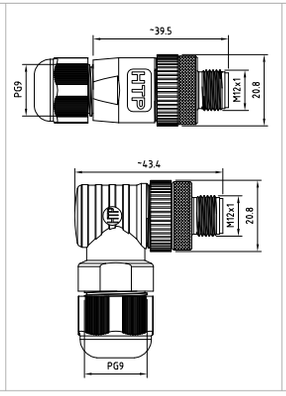
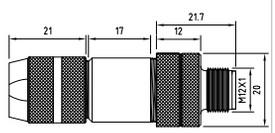
M12 CIRCULAR CONNECTORS



Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded		M12 D-Coded	
Part number	**D-12FC4000**	**D-12FB4000**	**D-12FL4000**	**D-12FU4000**	**D-12FC4000-SK**	**D-12FB4000-SK**	**D-12F14000**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	
Cable gland	PG7 standard		PG9-11 unified /Double cable exit		SK model		PG9 standard	
Description	Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable	
Contacts type	Female		Female		Female		Female	
Number of contacts	4poles		4poles		4poles		4poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		250V AC/DC		250V AC/DC	
Rated current	4A		4A		4A		4A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 6mm		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø 4 - 9mm		ø 4 - 8mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section								

M12 CIRCULAR CONNECTORS

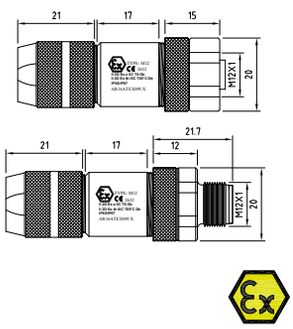
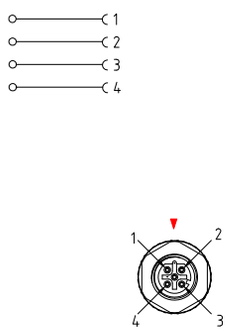
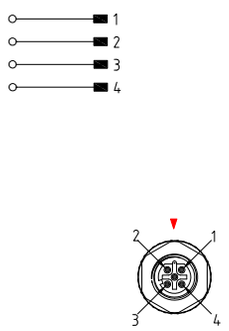


Technical drawing								
								
Product description								
Connector type	Circular connector field attachable		Circular connector field attachable		Circular connector field attachable		Circular connector field attachable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded		M12 D-Coded	
Part number	**D-12MC4000**	**D-12MB4000**	**D-12ML4000**	**D-12MU4000**	**D-12MC4000-SK**	**D-12MB4000-SK**	**D-12M14000**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	
Cable gland	PG7 standard		PG9-11 unified /Double cable exit		SK model		PG9 standard	
Description	Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable		Circular connector M12 series D-coded,field attachable	
Contacts type	Male		Male		Male		Male	
Number of contacts	4poles		4poles		4poles		4poles	
Housing colour	Black		Black		Black		Black	
Technical data								
Type of termination	Screw contacts		Screw contacts		Screw contacts		Screw contacts	
Contact screw torque	0.2 N*m		0.2 N*m		0.2 N*m		0.2 N*m	
Housing material	PA66 UL94-V2		PA66 UL94-V2		PA66 UL94-V2		Brass+Nickel plated	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		250V AC/DC		250V AC/DC	
Rated current	4A		4A		4A		4A	
Temperature range	-40°C +90°C		-40°C +90°C		-40°C +90°C		-40°C +90°C	
O-ring material	NBR		NBR		NBR		NBR	
Suitable cable	ø 4 - 6mm		ø cable 4-8mm ø cable 6.5-9.5mm Double exit ø6mm(max.)		ø 4 - 9mm		ø 4 - 8mm	
Packaging								
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options								
See accessories section								
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section								

M12 CIRCULAR CONNECTORS





Technical drawing			
			
Product description			
Connector type	Circular connector field attachable	Circular connector field attachable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 D-Coded	M12 D-Coded	
Part number	**D-12F14000-ATEX**	**D-12M14000-ATEX**	
Housing type	Straight 180°	Straight 180°	
Cable gland	PG9 standard	PG9 standard	
Description	Circular connector M12 series D-coded,ATEX conf.,field attachable	Circular connector M12 series D-coded,ATEX conf.,field attachable	
Contacts type	Female	Male	
Number of contacts	5poles	5poles	
Housing colour	Black	Black	
Technical data			
Type of termination	Screw contacts	Screw contacts	
Contact screw torque	0.2 N*m	0.2 N*m	
Housing material	Brass+Nickel plated	Brass+Nickel plated	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Coupling nut type	Knurl round	Knurl round	
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m	0.4 N*m	
Rated voltage	250V AC/DC	250V AC/DC	
Rated current	4A	4A	
Temperature range	-40°C +90°C	-40°C +90°C	
O-ring material	NBR	NBR	
Suitable cable	ø 4 - 8mm	ø 4 - 8mm	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS

GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section :
0.08(28AWG)...0.75mm²(18AWG).

Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1
M12 coupling nut torque 0.4N*m

Type of terminations :
Crimped wires.
Solder wires (8 poles - 12 poles).

Contact material and treatment :
Brass + Gold flash.

Housing material :
Polyurethane.

Internal core material :
PA66.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Protection class :
IP67/IP69K.

Operating temperature :
-25°C +90°C.

##	-	12	F	D	3	A	1Z	12	M	D	-	##

CODING
NO DIGIT : M12 A-CODING
B : M12 B-CODING
C : M12 C-CODING
D : M12 D-CODING
S : M12 S-CODING
X : M12 X-CODING

SERIES
12 : M12 CIRCULAR CONNECTOR

GENDER
F : FEMALE **M** : MALE

CONNECTOR TYPE
A : ANGLED 90°.
D : STRAIGHT 180°.
E : ANGLED 90° WITH 2 LED NPN.
F : ANGLED 90° WITH 2 LED PNP.
G : STRAIGHT 180° WITH 2 LED PNP.
H : STRAIGHT 180° WITH 2 LED NPN.
I : STRAIGHT 180° WITH 3 LED PNP.
J : STRAIGHT 180° TOTALLY SHIELDED.
V : ANGLED 90° TOTALLY SHIELDED.

NUMBERS OF POLES
3 : 3POLES **4** : 4POLES **5** : 5POLES **8** : 8POLES **12** : 12POLES

CABLE TYPE
SEE CABLES FEATURES PAGE ##

CABLE LENGTH

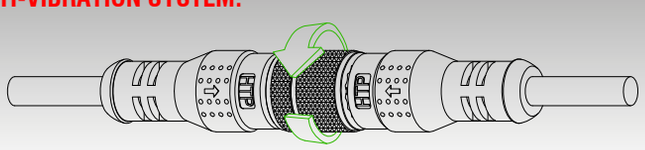
1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

EXTENSION
SPECIFY OTHER CONNECTOR'S SIDE

SOME VARIABLES
INOX : M12 COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : M12 COUPLING NUT IN STAINLESS STEEL(AISI316).
HN : HEXAGONAL M12 COUPLING NUT. **S** : SPECIAL STRIPPING/PEELING-TINNING. **Y** : WITHOUT H.T.P.LOGO. **UL** : UL APPROVED.

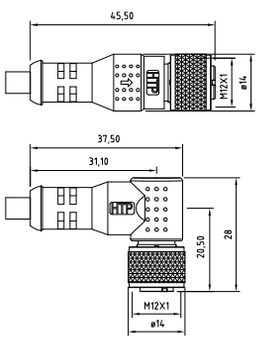
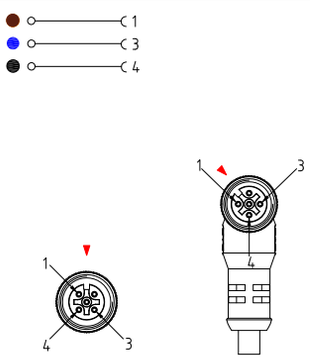
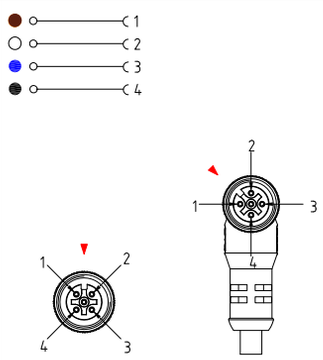
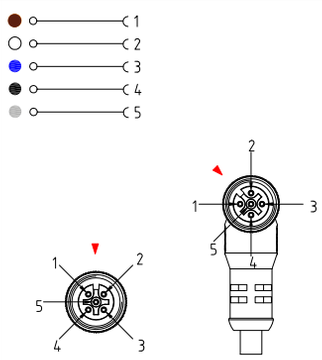
ANTI-VIBRATION SYSTEM:



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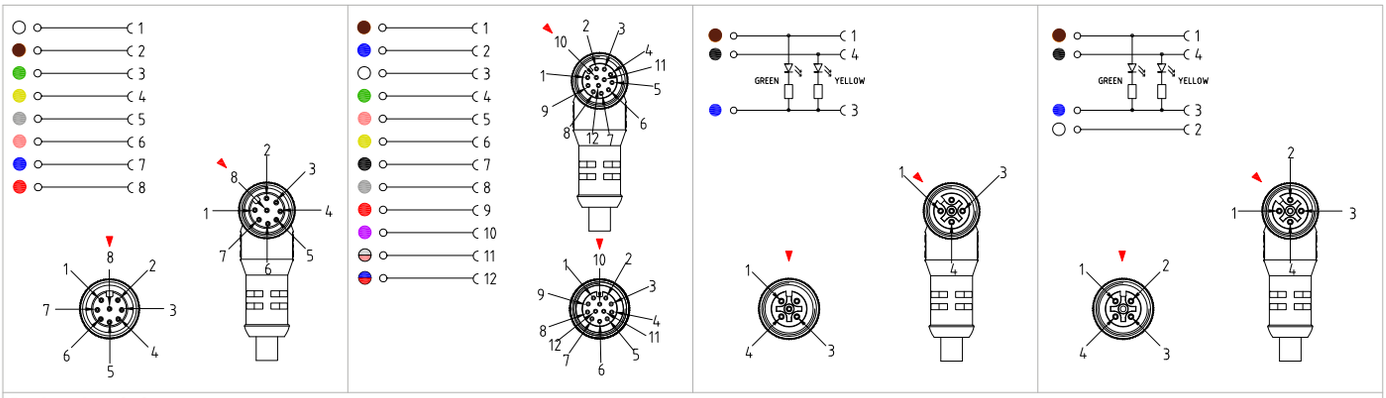
M12 CIRCULAR CONNECTORS



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable	
Part number	**12FD3B1Z**	**12FA3B1Z**	**12FD4B1Z**	**12FA4B1Z**	**12FD5B1Z**	**12FA5B1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Female		Female	
Number of contacts	3poles		4poles		5poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.34mm²		4x0.34mm²		5x0.34mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		Brown; White; Blue; Black; Grey	
Cable diameter	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.5mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS





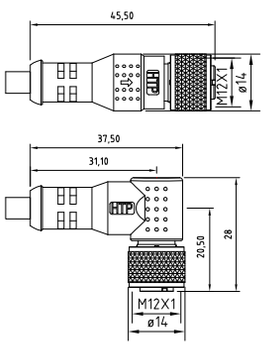
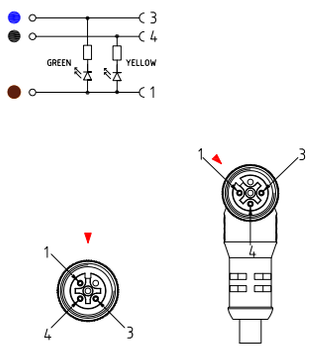
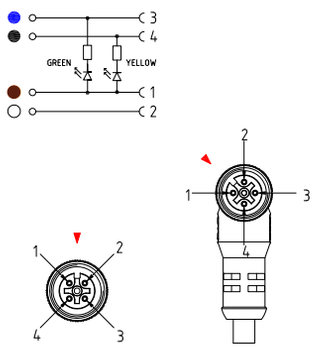
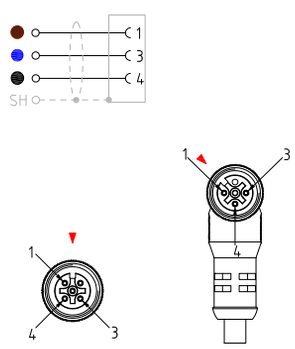
Product description							
Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable		Circular connector M12 series n.2 Led **PNP** circuit (PIN1: GN;PIN4:YE)with moulded cable		Circular connector M12 series n.2 Led **PNP** circuit (PIN1: GN;PIN4:YE)with moulded cable	
12FD8A1Z	**12FA8A1Z**	**12FD12K1Z**	**12FA12K1Z**	**12FG3B1Z**	**12FF3B1Z**	**12FG4B1Z**	**12FF4B1Z**
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	
Female		Female		Female		Female	
8poles		12poles		3poles		4poles	
Black		Black		Transparent		Transparent	
Technical data							
Contacts to solder wires		Contacts to solder wires		Contacts to solder PCB		Contacts to solder PCB	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.4 N*m		0.4 N*m		0.4 N*m		**0.4 N*m**	
30V AC/DC		30V AC/DC		10-30V DC		10-30V DC	
2A		1.5A		3A		3A	
NBR		NBR		NBR		NBR	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Black		Black		Black		Black	
8x0.25mm²		12x0.14mm²		3x0.34mm²		4x0.34mm²	
White;Brown;Green;Yellow;Grey;Pink;Blue;Red		Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu		Brown; Blue; Black		Brown; White; Blue; Black;	
ø6mm (±0.3)		ø6.5mm (±0.3)		ø4.8mm (±0.3)		ø5.2mm (±0.3)	
1m		1m		1m		1m	
Packaging							
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options							
See accessories section							

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

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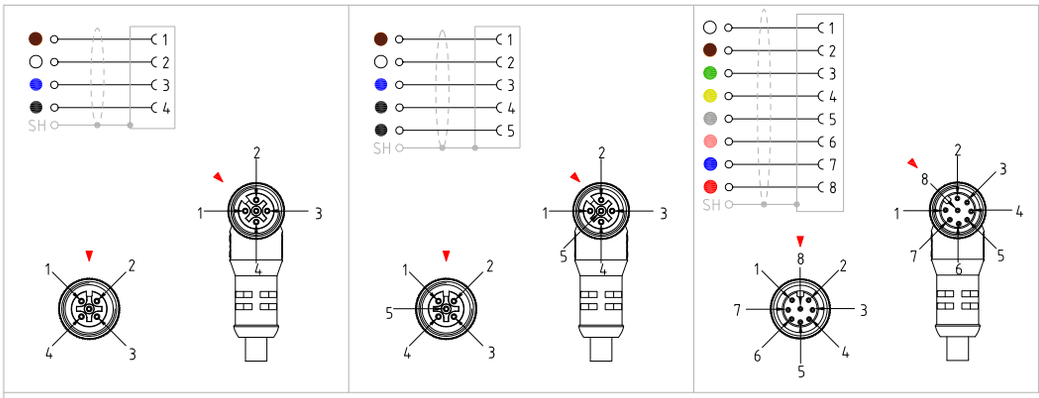
M12 CIRCULAR CONNECTORS



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series n.2 Led **NPN** circuit (PIN3: GN;PIN4:YE)with moulded cable		Circular connector M12 series n.2 Led **NPN** circuit (PIN3: GN;PIN4:YE)with moulded cable		Circular connector M12 series TOTALLY SHIELDED with moulded cable	
Part number	**12FH3B1Z**	**12FE3B1Z**	**12FH4B1Z**	**12FE4B1Z**	**12FJ3F1Z**	**12FV3F1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Female		Female	
Number of contacts	3poles		4poles		3poles	
Housing colour	Transparent		Transparent		Black	
Technical data						
Type of termination	Contacts to solder PCB		Contacts to solder PCB		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	10-30V DC		10-30V DC		250V AC/DC	
Rated current	3A		3A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022 SHIELDED	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.34mm²		4x0.34mm²		3x0.34mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		Brown; Blue; Black	
Cable diameter	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.2mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS





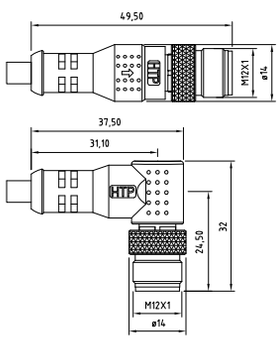
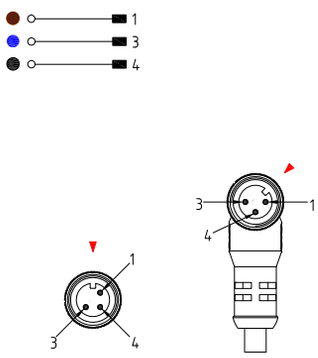
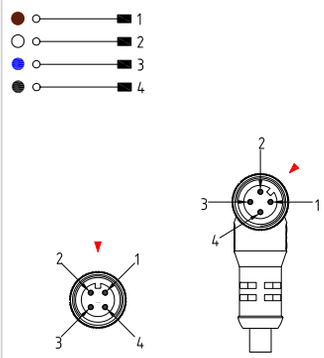
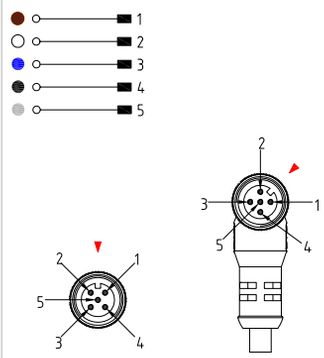
Product description					
Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
M12 A-Coded		M12 A-Coded		M12 A-Coded	
Circular connector M12 series TOTALLY SHIELDED with moulded cable		Circular connector M12 series TOTALLY SHIELDED with moulded cable		Circular connector M12 series with moulded cable	
12FJ4F1Z	**12FV4F1Z**	**12FJ5F1Z**	**12FV5F1Z**	**12FJ8J1Z**	**12FV8J1Z**
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable	
Female		Female		Female	
4poles		5poles		8poles	
Black		Black		Black	
Technical data					
Contacts to crimp wires		Contacts to crimp wires		Contacts to solder wires	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.4 N*m		0.4 N*m		0.4 N*m	
250V AC/DC		60V AC/DC		30V AC/DC	
4A		4A		2A	
NBR		NBR		NBR	
PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELED	
Black		Black		Black	
4x0.34mm²		5x0.34mm²		8x0.25mm²	
Brown; White; Blue; Black		Brown; White; Blue; Black; Grey		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
ø5.5mm (±0.3)		ø6mm (±0.3)		ø6.5mm (±0.3)	
1m		1m		1m	
Packaging					
1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options					
See accessories section					

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

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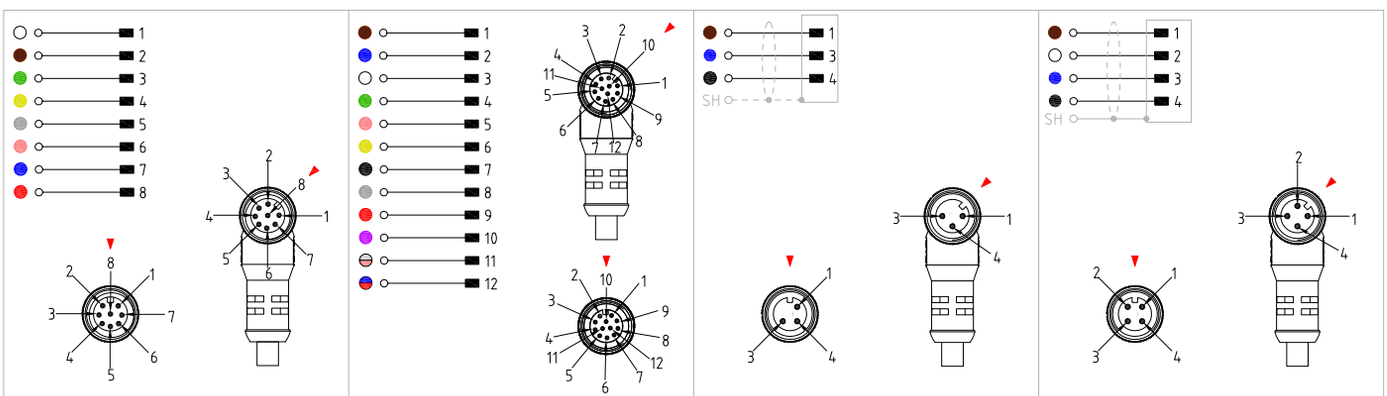
M12 CIRCULAR CONNECTORS



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable	
Part number	**12MD3B1Z**	**12MA3B1Z**	**12MD4B1Z**	**12MA4B1Z**	**12MD5B1Z**	**12MA5B1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Male		Male		Male	
Number of contacts	3poles		4poles		5poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
O-ring material	-		-		-	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.34mm²		4x0.34mm²		5x0.34mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		Brown; White; Blue; Black; Grey	
Cable diameter	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.5mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS



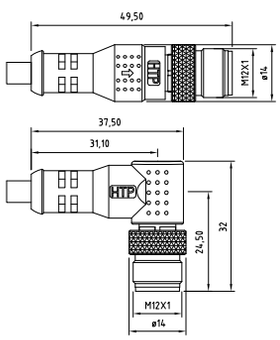
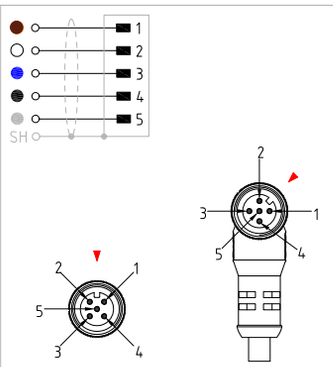
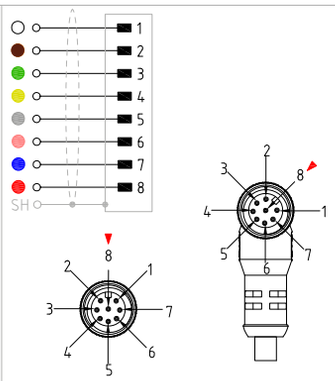


Product description							
Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Circular connector M12 series with moulded cable		Circular connector M12 series with moulded cable		Circular connector M12 series TOTALLY SHIELDED with moulded cable		Circular connector M12 series TOTALLY SHIELDED with moulded cable	
12MD8A1Z	**12MA8A1Z**	**12MD12K1Z**	**12MA12K1Z**	**12MJ3F1Z**	**12MV3F1Z**	**12MJ4F1Z**	**12MV4F1Z**
Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	
Male		Male		Male		Male	
8poles		12poles		3poles		4poles	
Black		Black		Black		Black	
Technical data							
Contacts to solder wires		Contacts to solder wires		Contacts to crimp wires		Contacts to crimp wires	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
30V AC/DC		30V AC/DC		250V AC/DC		250V AC/DC	
2A		1.5A		4A		4A	
-		-		-		-	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELDED	
Black		Black		Black		Black	
8x0.25mm²		12x0.14mm²		3x0.34mm²		4x0.34mm²	
White;Brown;Green;Yellow;Grey;Pink;Blue;Red		Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu		Brown; Blue; Black		Brown; White; Blue; Black	
ø6mm (±0.3)		ø6.5mm (±0.3)		ø5.2mm (±0.3)		ø5.5mm (±0.3)	
1m		1m		1m		1m	
Packaging							
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options							
See accessories section							

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

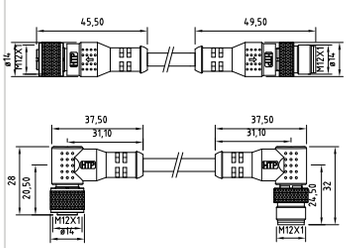
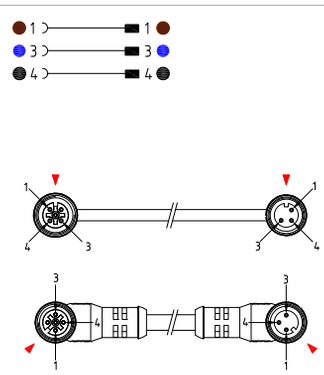
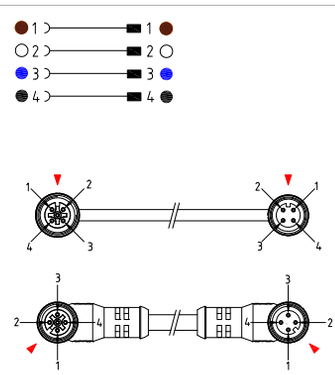
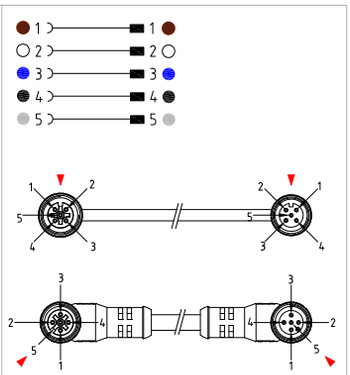
M12 CIRCULAR CONNECTORS



Technical drawing					
					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-101		IEC 61076-2-101		
Construction type	M12 A-Coded		M12 A-Coded		
Description	Circular connector M12 series TOTALLY SHIELDED with moulded cable		Circular connector M12 series TOTALLY SHIELDED with moulded cable		
Part number	**12MJ5F1Z**	**12MV5F1Z**	**12MJ8J1Z**	**12MV8J1Z**	
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Male		Male		
Number of contacts	5poles		8poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to solder wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M12 coupling nut torque	0.4 N*m		0.4 N*m		
Rated voltage	60V AC/DC		30V AC/DC		
Rated current	4A		2A		
O-ring material	-		-		
Cable type	PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022 SHIELDED		
Cable jacket colour	Black		Black		
No.Conductors / Section	5x0.34mm²		8x0.25mm²		
Conductor colours	Brown; White; Blue; Black; Grey		White;Brown;Green;Yellow;Grey;Pink;Blue;Red		
Cable diameter	ø6mm (±0.3)		ø6.5mm (±0.3)		
Cable length	1m		1m		
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section					

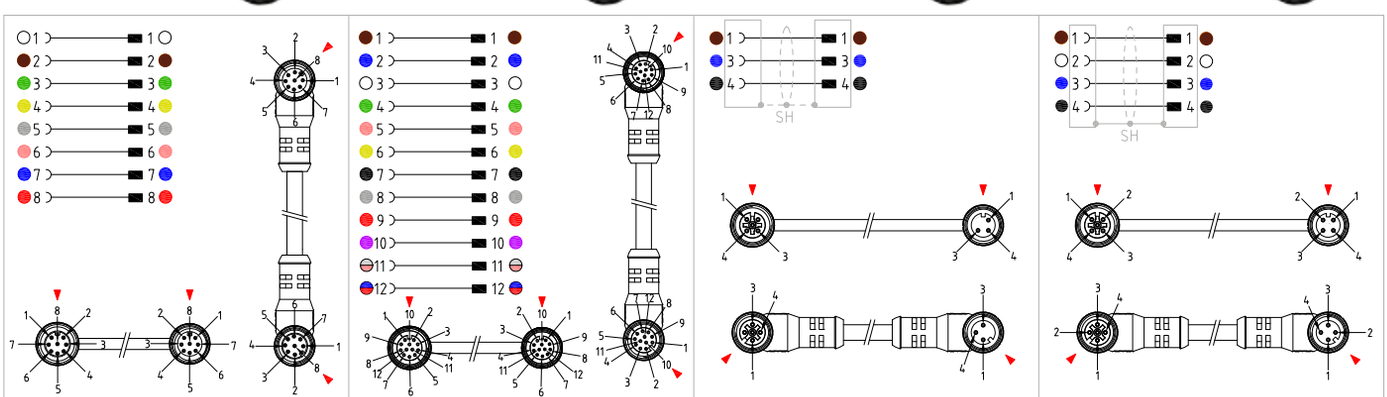
M12 CIRCULAR CONNECTORS



Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Extension M12-M12 connectors with moulded cable		Extension M12-M12 connectors with moulded cable		Extension M12-M12 connectors with moulded cable	
Part number	**12FD3B1Z12MD**	**12FA3B1Z12MA**	**12FD4B1Z12MD**	**12FA4B1Z12MA**	**12FD5B1Z12MD**	**12FA5B1Z12MA**
Housing type	180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female-Male		Female-Male		Female-Male	
Number of contacts	3poles		4poles		5poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
O-ring material	NBR (on female connector)		NBR (on female connector)		NBR (on female connector)	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x0.34mm²		4x0.34mm²		5x0.34mm²	
Conductor colours	Brown; Blue; Black		Brown; White; Blue; Black		Brown; White; Blue; Black; Grey	
Cable diameter	ø4.8mm (±0.3)		ø5.2mm (±0.3)		ø5.5mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS



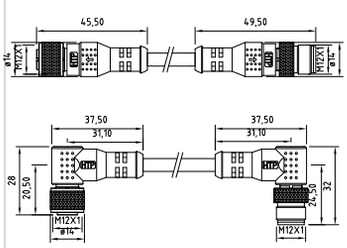
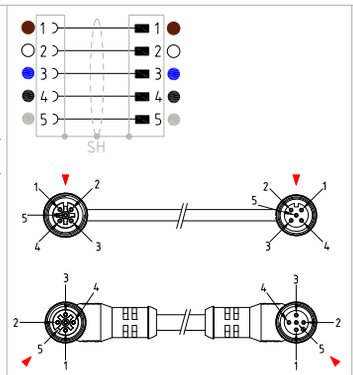
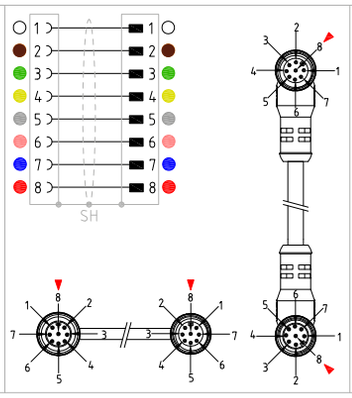


Product description							
Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
M12 A-Coded		M12 A-Coded		M12 A-Coded		M12 A-Coded	
Extension M12-M12 connectors with moulded cable		Extension M12-M12 connectors with moulded cable		Extension M12-M12 connectors TOTALLY SHIELDED with moulded cable		Extension M12-M12 connectors TOTALLY SHIELDED with moulded cable	
12FD8A1Z12MD	**12FA8A1Z12MA**	**12FD12K1Z12MD**	**12FA12K1Z12MA**	**12FJ3F1Z12MJ**	**12FV3F1Z12MV**	**12FJ4F1Z12MJ**	**12FV4F1Z12MV**
180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°	180°-180°	90°-90°
Moulded cable		Moulded cable		Moulded cable		Moulded cable	
Female-Male		Female-Male		Female-Male		Female-Male	
8poles		12poles		3poles		4poles	
Black		Black		Black		Black	
Technical data							
Contacts to solder wires		Contacts to solder wires		Contacts to crimp wires		Contacts to crimp wires	
Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Knurl round		Knurl round		Knurl round		Knurl round	
Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
30V AC/DC		30V AC/DC		250V AC/DC		250V AC/DC	
2A		1.5A		4A		4A	
NBR (on female connector)		NBR (on female connector)		NBR (on female connector)		NBR (on female connector)	
PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022 SHIELDED		PVC/PVC CEI2022	
Black		Black		Black		Black	
8x0.25mm²		12x0.14mm²		3x0.34mm²		4x0.34mm²	
White;Brown;Green;Yellow;Grey;Pink;Blue;Red		Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu		Brown; Blue; Black		Brown; White; Blue; Black	
ø6mm (±0.3)		ø6.5mm (±0.3)		ø5.2mm (±0.3)		ø5.5mm (±0.3)	
1m		1m		1m		1m	
Packaging							
1 pc / bag		1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options							
See accessories section							

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

M12 CIRCULAR CONNECTORS

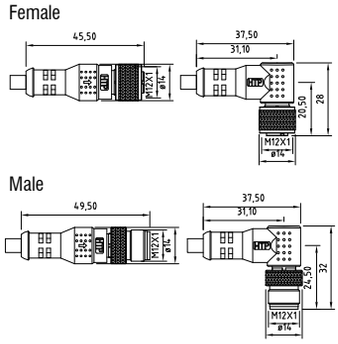
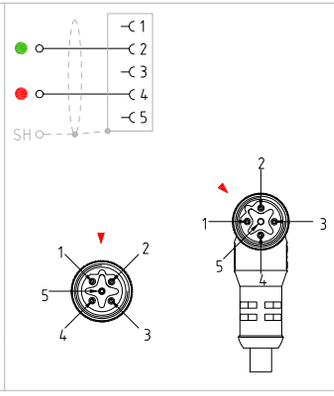
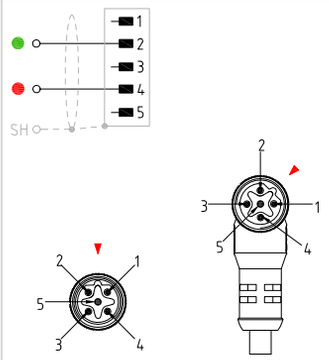
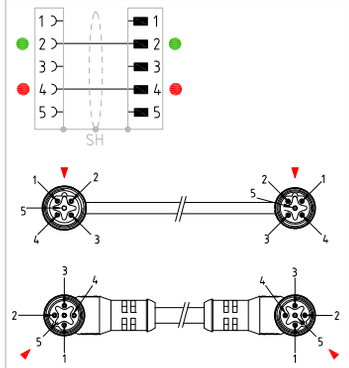


Technical drawing					
					
Product description					
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		
Conforms to	IEC 61076-2-101		IEC 61076-2-101		
Construction type	M12 A-Coded		M12 A-Coded		
Description	Extension M12-M12 connectors TOTALLY SHIELDED with moulded cable		Extension M12-M12 connectors TOTALLY SHIELDED with moulded cable		
Part number	**12FJ5F1Z12MJ**	**12FV5F1Z12MV**	**12FJ8J1Z12MJ**	**12FV8J1Z12MV**	
Housing type	180°-180°	90°-90°	180°-180°	90°-90°	
Cable gland	Moulded cable		Moulded cable		
Contacts type	Female-Male		Female-Male		
Number of contacts	5poles		8poles		
Housing colour	Black		Black		
Technical data					
Type of termination	Contacts to crimp wires		Contacts to solder wires		
Contacts material	Brass+Gold flash		Brass+Gold flash		
Coupling nut type	Knurl round		Knurl round		
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		
M12 coupling nut torque	0.4 N*m		0.4 N*m		
Rated voltage	60V AC/DC		30V AC/DC		
Rated current	4A		2A		
O-ring material	NBR (on female connector)		NBR (on female connector)		
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		
Cable jacket colour	Black		Black		
No.Conductors / Section	5x0.34mm²		8x0.25mm²		
Conductor colours	Brown; White; Blue; Black; Grey		White;Brown;Green;Yellow;Grey;Pink;Blue;Red		
Cable diameter	ø6mm (±0.3)		ø6.5mm (±0.3)		
Cable lenght	1m		1m		
Packaging					
Qty/Bag	1 pc / bag		1 pc / bag		
Other accessories options					
See accessories section					
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section					

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M12 CIRCULAR CONNECTORS

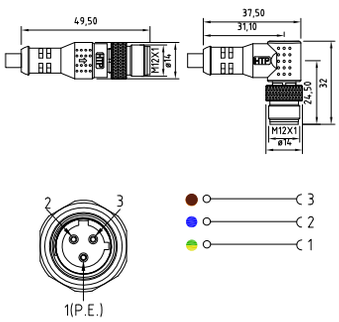
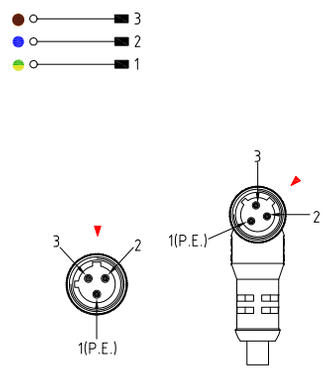
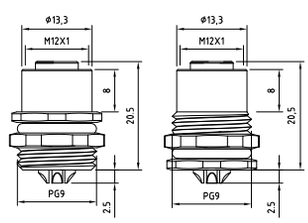
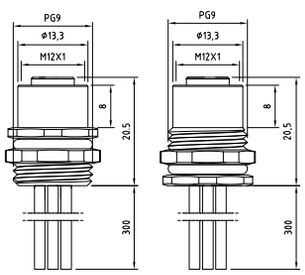


Technical drawing						
Female / Male						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded	
Description	Circular connector M12 series,B-coded, TOTALLY SHIELDED,with moulded cable		Circular connector M12 series,B-coded, TOTALLY SHIELDED,with moulded cable		Extension M12-M12 connectors,B-coded, TOTALLY SHIELDED,with moulded cable	
Part number	**B-12FJ5T1Z-K6-IS**	**B-12FV5T1Z-K6-IS**	**B-12MJ5T1Z-K6-IS**	**B-12MV5T1Z-K6-IS**	**B-12FJ5T1Z12MJ-K6-IS**	**B-12FV5T1Z12MV-K6-IS**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Male		Female-Male	
Number of contacts	5poles		5poles		5poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC/DC		60V AC/DC		60V AC/DC	
Rated current	4A		4A		4A	
O-ring material	NBR		-		NBR (on female connector)	
Cable type	PUR PROFIBUS UL444 SHIELDED HIGH FLEX		PUR PROFIBUS UL444 SHIELDED HIGH FLEX		PUR PROFIBUS UL444 SHIELDED HIGH FLEX	
Cable jacket colour	Violet RAL4001		Violet RAL4001		Violet RAL4001	
No.Conductors / Section	1x2xAWG24(0.25mm²)		1x2xAWG24(0.25mm²)		1x2xAWG24(0.25mm²)	
Conductor colours	Red; Green		Red; Green		Red; Green	
Cable diameter	ø8.2mm (±0.3)		ø8.2mm (±0.3)		ø8.2mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS





Technical drawing			
			

Product description						
Connector type	Circular connector with moulded cable		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 C-Coded		M12 C-Coded		M12 C-Coded	
Description	Circular connector M12 series,C-coded, with moulded cable		Circular connector M12 series,C-coded, panel mount		Circular connector M12 series,C-coded, panel mount,with PVC soldered wires.	
Part number	**C-12MD3011Z**	**C-12MA3011Z**	**C-12FP3000-PG9**	**C-12FR3000-PG9**	**C-12FP3010C-PG9**	**C-12FR3010C-PG9**
Housing type	Straight 180°	Angled 90°	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Moulded cable		PG9 (fixing thread)		PG9 (fixing thread)	
Contacts type	Male		Female		Female	
Number of contacts	3poles		3poles		3poles	
Housing colour	Black		-		-	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC / DC		250V AC / DC	
Rated current	4A		4A		4A	
O-ring material	-		NBR		NBR	
Cable type	PVC/PVC CEI2022		-		PVC	
Cable jacket colour	Black		-		-	
No.Conductors / Section	3x0.5mm²		-		3 x 0.5mm²	
Conductor colours	Brown; Blue; Yellow/Green		-		Brown; Blue; Yellow/Green	
Cable diameter	ø5mm (±0.3)		-		0.3m	
Cable length	1m					
Packaging						
Qty/Bag	1 pc / bag		Not defined		Not defined	
Other accessories options						
See accessories section						

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

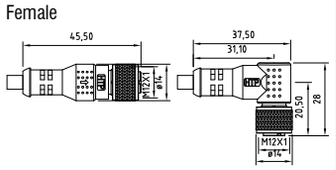
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M12 CIRCULAR CONNECTORS

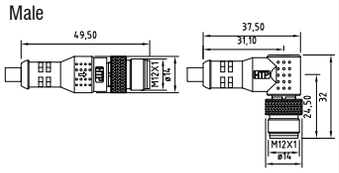


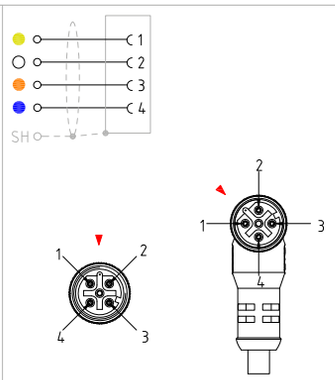
Technical drawing

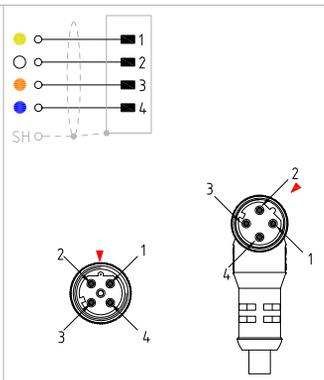
Female

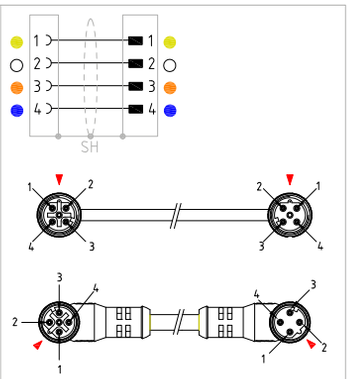


Male









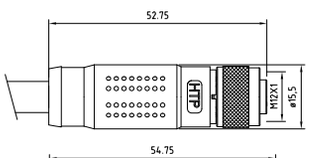
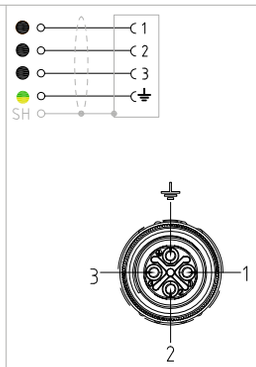
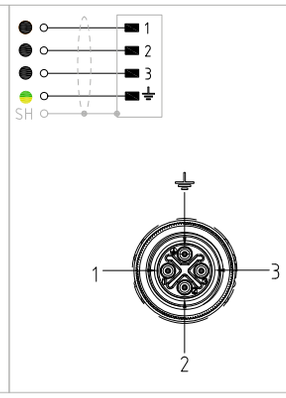
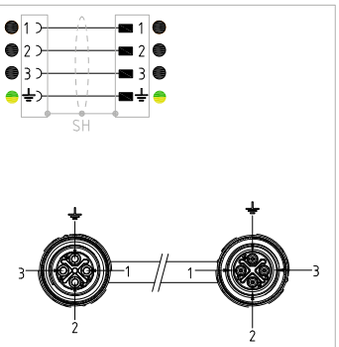
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded	
Description	Circular connector M12 series,D-coded, TOTALLY SHIELDED,with moulded cable		Circular connector M12 series,D-coded, TOTALLY SHIELDED,with moulded cable		Extension M12-M12 connectors,D-coded, TOTALLY SHIELDED,with moulded cable	
Part number	**D-12FJ4401Z-K6-IS**	**D-12FV4401Z-K6-IS**	**D-12MJ4401Z-K6-IS**	**D-12MV4401Z-K6-IS**	**D-12MJ4401Z12FJ-K6-IS**	**D-12MV4401Z12FV-K6-IS**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Male		Female-Male	
Number of contacts	4poles		4poles		4poles	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to crimp wires		Contacts to crimp wires		Contacts to crimp wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
M12 coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC/DC		250V AC/DC		250V AC/DC	
Rated current	4A		4A		4A	
O-ring material	NBR		-		NBR (on female connector)	
Cable type	PUR CAT.5E UL21576 SHIELDED HIGH FLEX		PUR CAT.5E UL21576 SHIELDED HIGH FLEX		PUR CAT.5E UL21576 SHIELDED HIGH FLEX	
Cable jacket colour	Green RAL6018		Green RAL6018		Green RAL6018	
No.Conductors / Section	1x4xAWG22(0.34mm^2)		1x4xAWG22(0.34mm^2)		1x4xAWG22(0.34mm^2)	
Conductor colours	Yellow; White; Orange; Blue		Yellow; White; Orange; Blue		Yellow; White; Orange; Blue	
Cable diameter	ø6.7mm (±0.3)		ø6.7mm (±0.3)		ø6.7mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
See accessories section						

Note:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

M12 CIRCULAR CONNECTORS





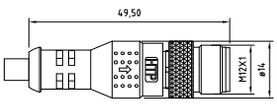
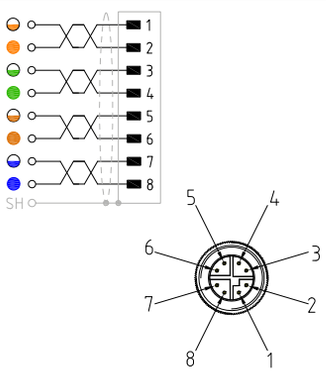
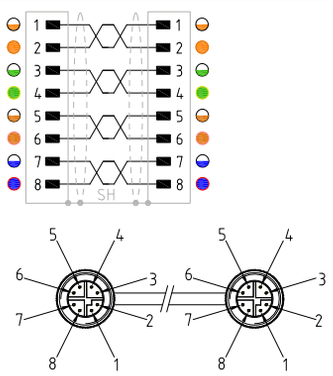
Technical drawing			
			
Product description			
Connector type	Circular connector with moulded cable	Circular connector with moulded cable	Circular connector with moulded cable
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 S-Coded	M12 S-Coded	M12 S-Coded
Description	Circular connector M12 series,S-coded, TOTALLY SHIELDED with moulded cable	Circular connector M12 series,S-coded, TOTALLY SHIELDED with moulded cable	Extension M12-M12 connectors,S-coded, TOTALLY SHIELDED with moulded cable
Part number	**S-12FJ4811Z-K6-IS**	**S-12MJ4811Z-K6-IS**	**S-12FJ4811Z12MJ-K6IS**
Housing type	Straight 180°	Straight 180°	180°-180°
Cable gland	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Male	Female-Male
Number of contacts	3poles + P.E.	3poles + P.E.	3poles + P.E.
Housing colour	Black	Black	Black
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	630V AC	630V AC	630V AC
Rated current	12A	12A	12A
O-ring material	NBR	-	NBR (on female connector)
Cable type	PUR/TPO ULStyle20234 high flex SHIELDED	PUR/TPO ULStyle20234 high flex SHIELDED	PUR/TPO ULStyle20234 high flex SHIELDED
Cable jacket colour	Orange RAL2003	Orange RAL2003	Orange RAL2003
No.Conductors / Section	4x1.5mm²	4x1.5mm²	4x1.5mm²
Conductor colours	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;	Black 1; Black 2; Black 3; Yellow/Green;
Cable diameter	ø8.6mm (±0.3)	ø8.6mm (±0.3)	ø8.6mm (±0.3)
Cable length	1m	1m	1m
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options			
See accessories section			

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section

M12 CIRCULAR CONNECTORS





Technical drawing			
			
Product description			
Connector type	Circular connector with moulded cable	Circular connector with moulded cable	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 X-Coded	M12 X-Coded	
Description	Circular connector M12 series,X-coded, TOTALLY SHIELDED with moulded cable	Extension M12-M12 connectors,X-coded, TOTALLY SHIELDED with moulded cable	
Part number	**X-12MJ8711Z-K6-IS**	**X-12MJ871Z12MJ-K6-IS**	
Housing type	Straight 180°	180°-180°	
Cable gland	Moulded cable	Moulded cable	
Contacts type	Male	Male-Male	
Number of contacts	8poles	8poles	
Housing colour	Black	Black	
Technical data			
Type of termination	Contacts to crimp wires	Contacts to crimp wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Coupling nut type	Knurl round	Knurl round	
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	
M12 coupling nut torque	0.4 N*m	0.4 N*m	
Rated voltage	48V AC/DC	48V AC/DC	
Rated current	0.5A	0.5A	
O-ring material	-	-	
Cable type	PUR/TPO ULStyle20236 high flex SHIELDED	PUR/TPO ULStyle20236 high flex SHIELDED	
Cable jacket colour	Green RAL6016	Green RAL6016	
No.Conductors / Section	4x2xAWG26(0.14mm²)	4x2xAWG26(0.14mm²)	
Conductor colours	Wh/Or;Or;Wh/Gn;Gn;Wh/Bn;Bn;Wh/Bu;Bu	Wh/Or;Or;Wh/Gn;Gn;Wh/Bn;Bn;Wh/Bu;Bu	
Cable diameter	ø7.2mm (±0.3)	ø7.2mm (±0.3)	
Cable length	1m	1m	
Packaging			
Qty/Bag	1 pc / bag	1 pc / bag	
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS

GENERAL FEATURES PANEL MOUNT CONNECTORS:

Conductor cross section :
0.14(26AWG)...0.50mm²(20AWG).

Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1
M12 coupling nut torque 0.4N*m.

Type of terminations :
Solder wires.
Solder PCB.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Brass+Nickel plated
PA66 (upon request).
Stainless Steel AISI304
(upon request).
Stainless Steel AISI316
(upon request).

Internal core material :
PA66.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-25°C +90°C

##	-	12	F	P	3	A	0B	-	PG9	-	##

CODING
NO DIGIT : M12 A-CODING.
B : M12 B-CODING.
C : M12 C-CODING.
D : M12 D-CODING.
S : M12 S-CODING.

SERIES
12 : M12 CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

CONNECTOR TYPE
P : FRONTAL MOUNTING.
PP : FRONTAL MOUNTING PLASTIC CONNECTOR(MALE CONNECTORS)
Q: FRONTAL MOUNTING WITH PCB CONTACTS.
R : BACK MOUNTING.
S: BACK MOUNTING WITH PCB CONTACTS.
X: BACK MOUNTING WITH SCREW CONTACTS.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **5** : 5POLES.
8 : 8POLES. **12** : 12POLES.

CABLE TYPE
0 : WITHOUT WIRES. **A** : PVC WIRES 0.25mm². **B** : PVC WIRES 0.34mm².
C : PUR WIRES 0.25mm². **D** : PUR WIRES 0.34mm².

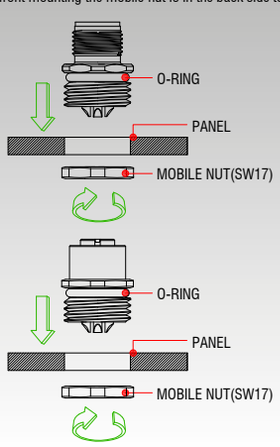
WIRES LENGTH
00: WITHOUT WIRES **0B** : 0.2m **0C** : 0.3m ... **1Z** : 1m

CONTACTS TYPE
PG7 : FIXIING THREAD OF THE PANEL. **PG9** : FIXIING THREAD OF THE PANEL.
M16 : FIXIING THREAD OF THE PANEL. **M20** : FIXIING THREAD OF THE PANEL.

SOME VARIABLES
INOX : M12 COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : M12 COUPLING NUT IN STAINLESS STEEL(AISI316).
CO : CONNECTOR WITH CABLE. **CUT** : FIXING THREAD WITH ANTIROTATION CUT.

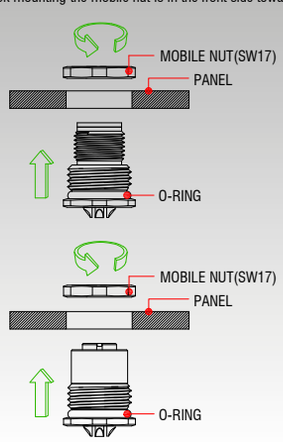
FRONT MOUNTING:

The type of mounting of the panel connector into the panel is defined with reference to the way the connector is mounted into the panel. In front mounting the mobile nut is in the back side towards the panel.



BACK MOUNTING:

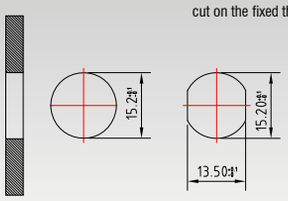
The type of mounting of the panel connector into the panel is defined with reference to the way the connector is mounted into the panel. In back mounting the mobile nut is in the front side towards the panel.



PANEL FEATURES:

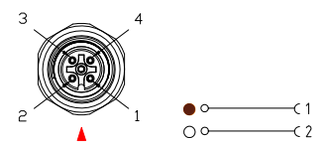
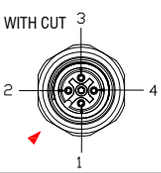
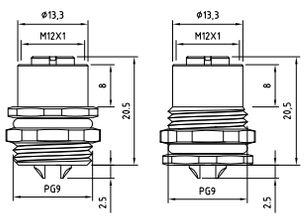
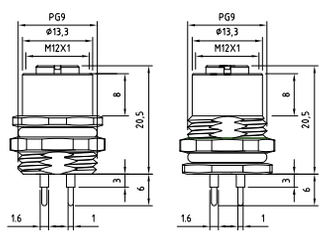
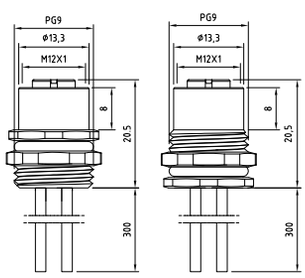
Suitable for standard connector.

* Suitable for connector with cut on the fixed thread.



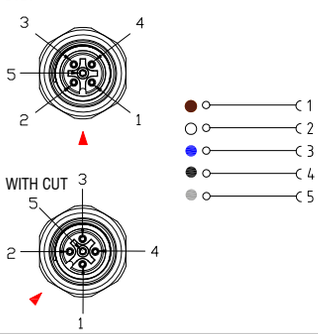
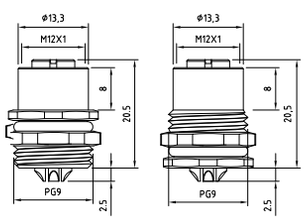
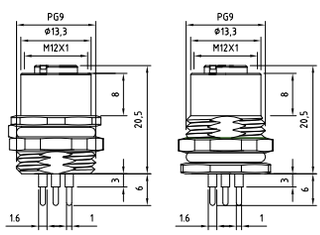
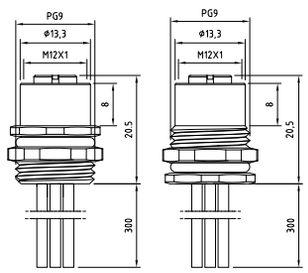
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT 						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A -Coded		M12 A -Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series to panel mount with PVC soldered wires.	
Part number	**12FP4000-PG9**	**12FR4000-PG9**	**12FQ4000-PG9-CUT**	**12FS4000-PG9-CUT**	**12FP4A0C-PG9**	**12FR4A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Female	
Number of contacts	4poles		4poles		4poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC / DC		250V AC / DC		250V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		4 x 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

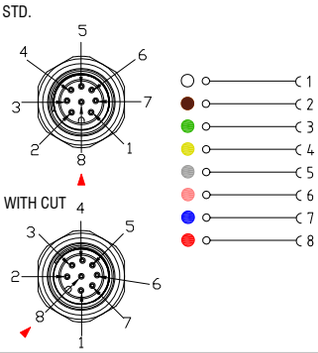
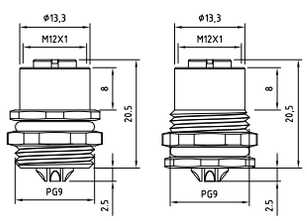
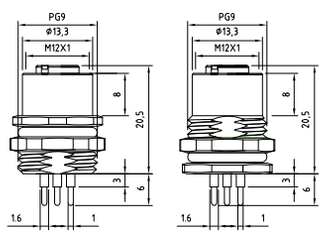
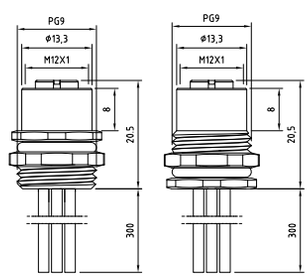
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series,panel mount, with contacts suitable for solder PCB.		Circular connector M12 series,panel mount, with PVC soldered wires.	
Part number	**12FP5000-PG9**	**12FR5000-PG9**	**12FQ5000-PG9-CUT**	**12FS5000-PG9-CUT**	**12FP5A0C-PG9**	**12FR5A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Female	
Number of contacts	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Housing material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
Mobile nut material	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

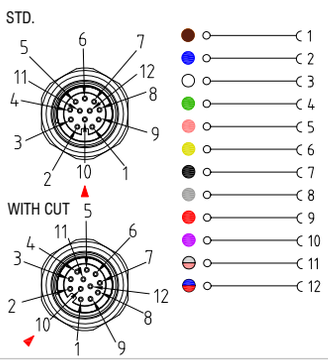
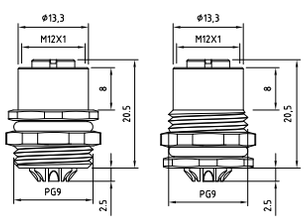
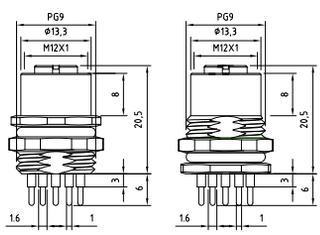
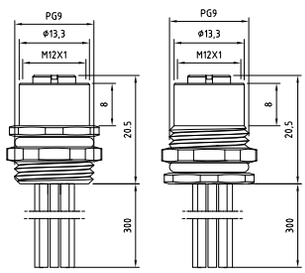
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	**12FP8000-PG9**	**12FR8000-PG9**	**12FQ8000-PG9-CUT**	**12FS8000-PG9-CUT**	**12FP8A0C-PG9**	**12FR8A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Female	
Number of contacts	8poles		8poles		8poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	30V AC/DC		30V AC/DC		30V AC/DC	
Rated current	2A		2A		2A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		8 x 0.25mm²	
Conductor colours	-		-		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	-		-			
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

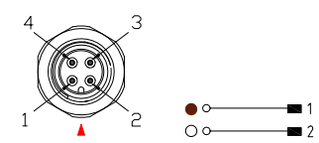
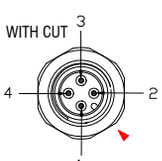
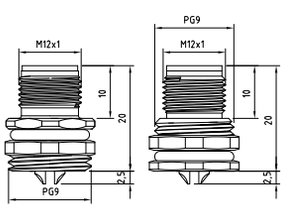
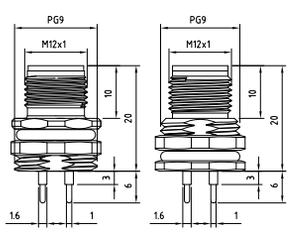
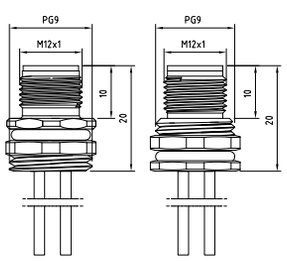
M12 CIRCULAR CONNECTORS



Technical drawing						
						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	**12FP12000-PG9**	**12FR12000-PG9**	**12FQ12000-PG9-CUT**	**12FS12000-PG9-CUT**	**12FP12K0C-PG9**	**12FR12K0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Female	
Number of contacts	12poles		12poles		12poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	30V AC / DC		30V AC / DC		30V AC / DC	
Rated current	1,5A		1,5A		1,5A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		12 x 0.14mm^2	
Conductor colours	-		-		Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

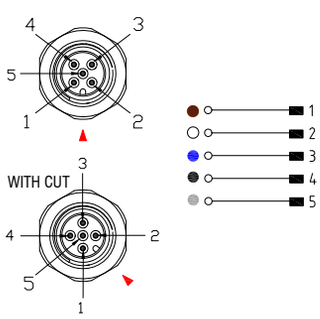
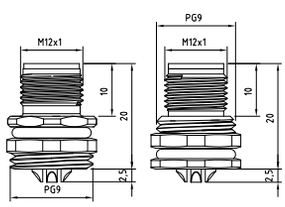
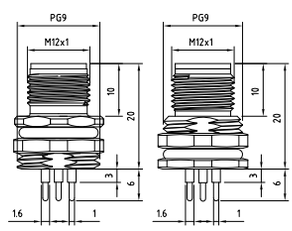
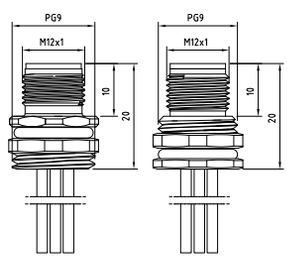
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT 						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	**12MP4000-PG9**	**12MR4000-PG9**	**12MQ4000-PG9-CUT**	**12MS4000-PG9-CUT**	**12MP4A0C-PG9**	**12MR4A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	4poles		4poles		4poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC / DC		250V AC / DC		250V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		4 x 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

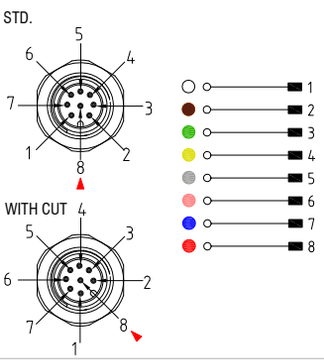
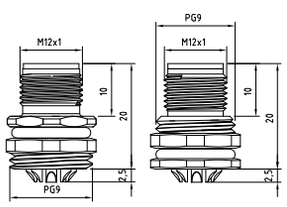
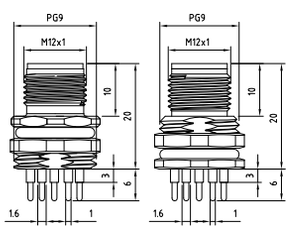
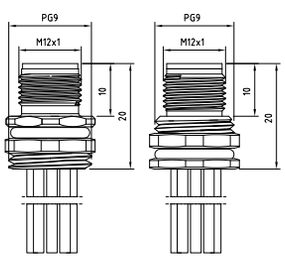
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  	 		 		 	
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	**12MP5000-PG9**	**12MR5000-PG9**	**12MQ5000-PG9-CUT**	**12MS5000-PG9-CUT**	**12MP5A0C-PG9**	**12MR5A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Housing material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Mobile nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

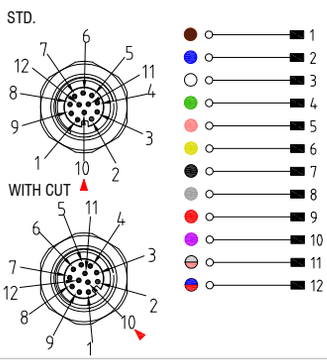
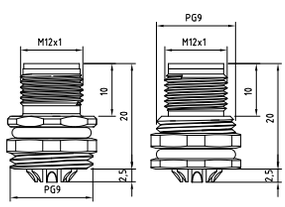
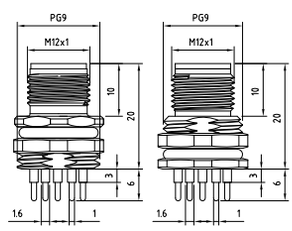
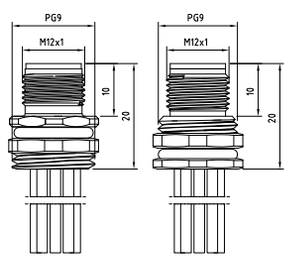
M12 CIRCULAR CONNECTORS



Technical drawing						
						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A -Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	**12MP8000-PG9**	**12MR8000-PG9**	**12MQ8000-PG9-CUT**	**12MS8000-PG9-CUT**	**12MP8A0C-PG9**	**12MR8A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	8poles		8poles		8poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	30V AC/DC		30V AC/DC		30V AC/DC	
Rated current	2A		2A		2A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		8 x 0.25mm²	
Conductor colours	-		-		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS

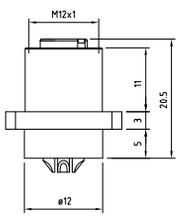
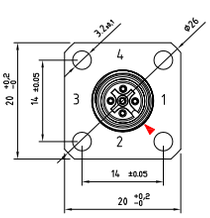
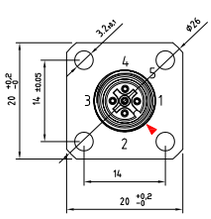
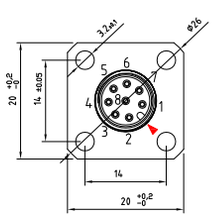
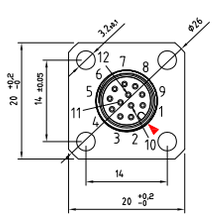


Technical drawing						
						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount		Circular connector M12 series to panel mount with contacts suitable for solder PCB.		Circular connector M12 series,panel mount with PVC soldered wires.	
Part number	**12MP12000-PG9**	**12MR12000-PG9**	**12MQ12000-PG9-CUT**	**12MS12000-PG9-CUT**	**12MP12K0C-PG9**	**12MR12K0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Male		Male		Male	
Number of contacts	12poles		12poles		12poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	30V AC / DC		30V AC / DC		30V AC / DC	
Rated current	1,5A		1,5A		1,5A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		12 x 0.14mm^2	
Conductor colours	-		-		Bn;Bu;Wh;Gn;Pk;Ye;Bk;Gy;Rd;Vt;Pk/Gy;Rd/Bu	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS



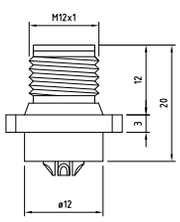
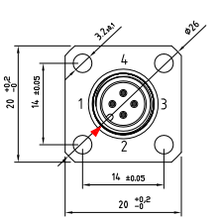
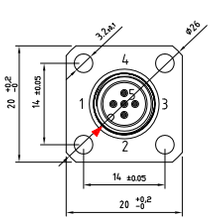
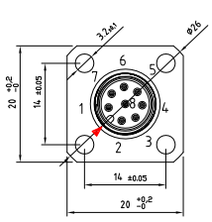
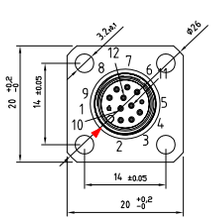



Technical drawing				
					
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE
Part number	**12FP4000-FL**	**12FP5000-FL**	**12FP8000-FL**	**12FP12000-FL**
Housing type	Frontal panel side	Frontal panel side	Frontal panel side	Frontal panel side
Contacts type	Female	Female	Female	Female
Number of contacts	4poles	5poles	8poles	12poles
Fixing thread	-	-	-	-
Cut size	-	-	-	-
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material	-	-	-	-
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC/DC	60V AC/DC	30V AC/DC	30V AC/DC
Rated current	4A	4A	2A	1.5A
O-ring material	-	-	-	-
Cable type	-	-	-	-
No.Conductors / Section	-	-	-	-
Conductor colours	-	-	-	-
Cable diameter	-	-	-	-
Cable length	-	-	-	-
Packaging				
Qty/Bag	Not defined	Not defined	Not defined	Not defined
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section				

M12 CIRCULAR CONNECTORS



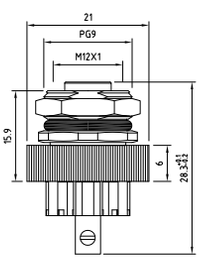
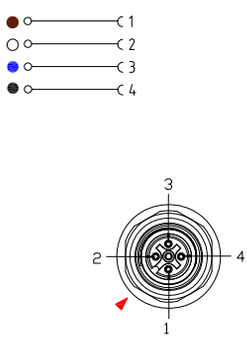
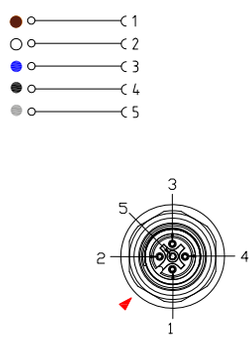
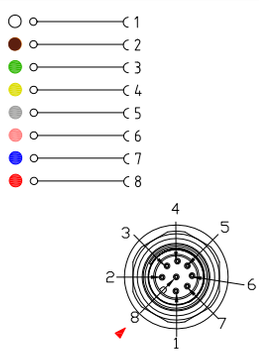



Technical drawing				
					
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE	Circular connector M12 series,panel mount with FLANGE
Part number	**12MP4000-FL**	**12MP5000-FL**	**12MP8000-FL**	**12MP12000-FL**
Housing type	Frontal panel side	Frontal panel side	Frontal panel side	Frontal panel side
Contacts type	Male	Male	Male	Male
Number of contacts	4poles	5poles	8poles	12poles
Fixing thread	-	-	-	-
Cut size	-	-	-	-
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material	-	-	-	-
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC/DC	60V AC/DC	30V AC/DC	30V AC/DC
Rated current	4A	4A	2A	1.5A
O-ring material	-	-	-	-
Cable type	-	-	-	-
No.Conductors / Section	-	-	-	-
Conductor colours	-	-	-	-
Cable diameter	-	-	-	-
Cable length	-	-	-	-
Packaging				
Qty/Bag	Not defined	Not defined	Not defined	Not defined
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section				

M12 CIRCULAR CONNECTORS



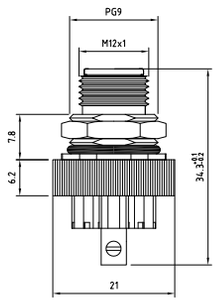
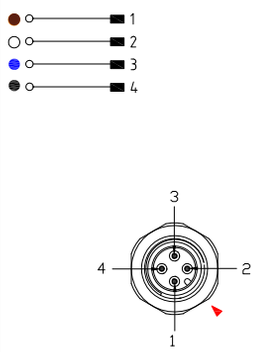
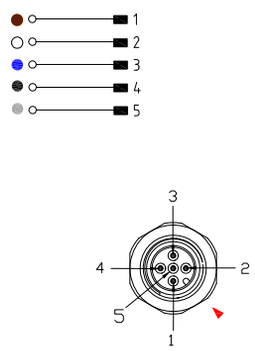
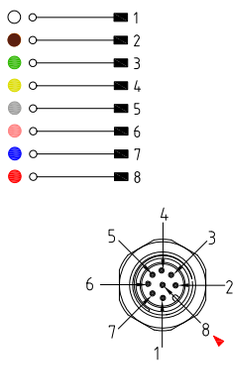


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series,panel mount, with screw contacts	Circular connector M12 series,panel mount, with screw contacts	Circular connector M12 series,panel mount, with screw contacts
Part number	**12FX4000-PG9-CUT**	**12FX5000-PG9-CUT**	**12FX8000-PG9-CUT**
Housing type	Back panel side	Back panel side	Back panel side
Contacts type	Female	Female	Female
Number of contacts	4poles	5poles	8poles
Fixing thread	PG9	PG9	PG9
Cut size	13.3mm	13.3mm	13.3mm
Technical data			
Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.2 N*m	0.2 N*m	0.2 N*m
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material	Brass+Nickel plated (SW17)	Brass+Nickel plated (SW17)	Brass+Nickel plated (SW17)
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Conductors cross section	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS



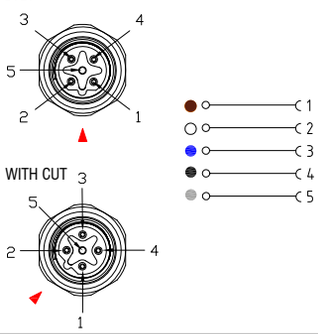
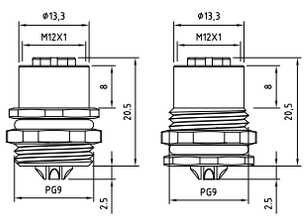
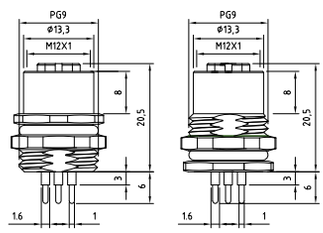
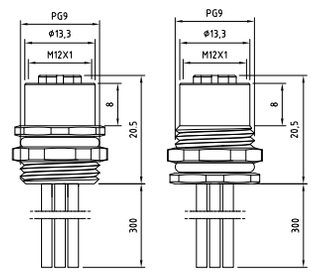


Technical drawing				
Product description				
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series,panel mount, with screw contacts	Circular connector M12 series,panel mount, with screw contacts	Circular connector M12 series,panel mount, with screw contacts
Part number	**12MX4000-PG9-CUT**	**12MX5000-PG9-CUT**	**12MX8000-PG9-CUT**
Housing type	Back panel side	Back panel side	Back panel side
Contacts type	Male	Male	Male
Number of contacts	4poles	5poles	8poles
Fixing thread	PG9	PG9	PG9
Cut size	13.3mm	13.3mm	13.3mm
Technical data			
Type of termination	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.2 N*m	0.2 N*m	0.2 N*m
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material	Brass+Nickel plated (SW17)	Brass+Nickel plated (SW17)	Brass+Nickel plated (SW17)
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Conductors cross section	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)	From 0.14(26AWG) to 0.50mm²(20AWG)
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

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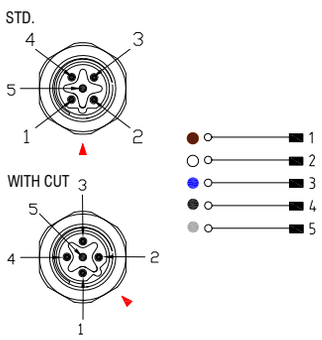
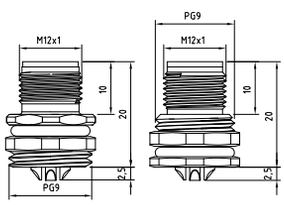
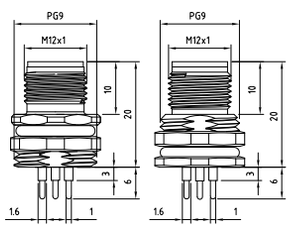
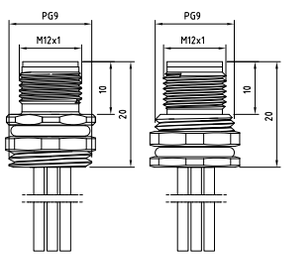
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded	
Description	Circular connector M12 series,B-coded, panel mount		Circular connector M12 series B-coded,panel mount,with contacts suitable for solder PCB.		Circular connector M12 series B-coded,panel mount,with PVC soldered wires.	
Part number	**B-12FP5000-PG9**	**B-12FR5000-PG9**	**B-12FQ5000-PG9-CUT**	**B-12FS5000-PG9-CUT**	**B-12FP5A0C-PG9**	**B-12FR5A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Female		Female		Female	
Contacts type	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS

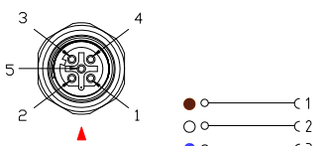
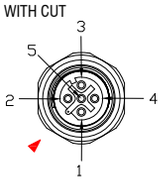
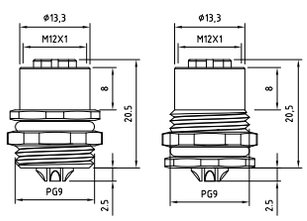
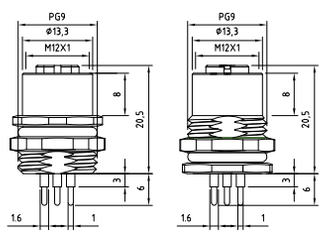
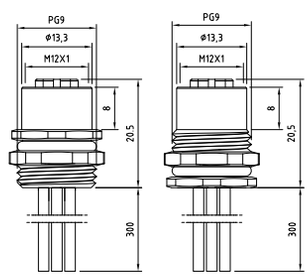


Technical drawing						
						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 B-Coded		M12 B-Coded		M12 B-Coded	
Description	Circular connector M12 series,B-coded, panel mount		Circular connector M12 series B-coded,panel mount,with contacts suitable for solder PCB.		Circular connector M12 series B-coded,panel mount,with PVC soldered wires.	
Part number	**B-12MP5000-PG9**	**B-12MR5000-PG9**	**B-12MQ5000-PG9-CUT**	**B-12MS5000-PG9-CUT**	**B-12MP5A0C-PG9**	**B-12MR5A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Male		Male		Male	
Contacts type	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm^2	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

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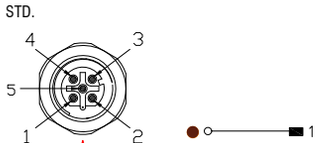
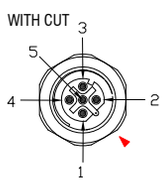
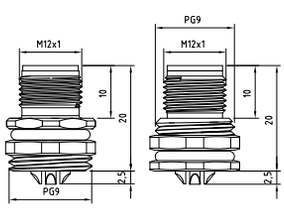
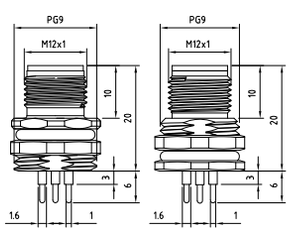
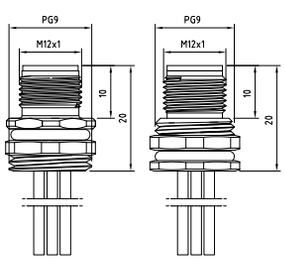
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT 						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded	
Description	Circular connector M12 series,D-coded, panel mount		Circular connector M12 series,D-coded,panel mount,with contacts suitable for solder PCB.		Circular connector M12 series,D-coded,panel mount,with PVC soldered wires.	
Part number	**D-12FP5000-PG9**	**D-12FR5000-PG9**	**D-12FQ5000-PG9-CUT**	**D-12FS5000-PG9-CUT**	**D-12FP5A0C-PG9**	**D-12FR5A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Female		Female		Female	
Contacts type	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm²	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

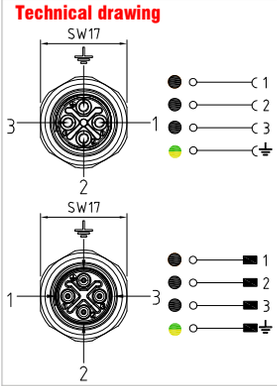
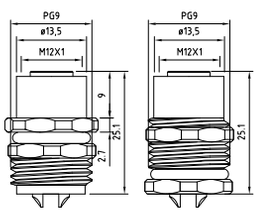
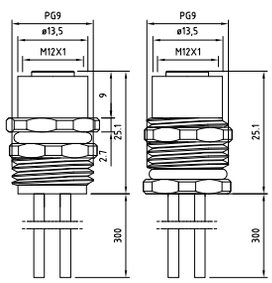
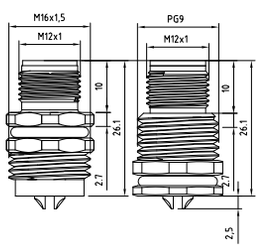
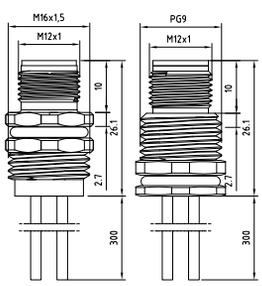
M12 CIRCULAR CONNECTORS



Technical drawing						
STD.  WITH CUT 						
Product description						
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 D-Coded		M12 D-Coded		M12 D-Coded	
Description	Circular connector M12 series,D-coded, panel mount		Circular connector M12 series,D-coded,panel mount,with contacts suitable for solder PCB.		Circular connector M12 series,D-coded,panel mount,with PVC soldered wires.	
Part number	**D-12MP5000-PG9**	**D-12MR5000-PG9**	**D-12MQ5000-PG9-CUT**	**D-12MS5000-PG9-CUT**	**D-12MP5A0C-PG9**	**D-12MR5A0C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Cable gland	Male		Male		Male	
Contacts type	5poles		5poles		5poles	
Fixing thread	PG9		PG9 + CUT		PG9	
Cut size	-		13.3mm		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts suitable for solder PCB		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
M12 coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	60V AC / DC		60V AC / DC		60V AC / DC	
Rated current	4A		4A		4A	
O-ring material	NBR		NBR		NBR	
Cable type	-		-		PVC	
No.Conductors / Section	-		-		5 x 0.25mm^2	
Conductor colours	-		-		Brown; White; Blue; Black;Grey	
Cable diameter	-		-		-	
Cable length	-		-		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page						

M12 CIRCULAR CONNECTORS

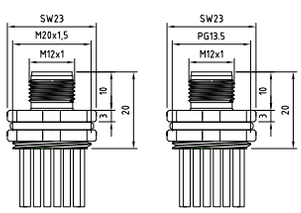
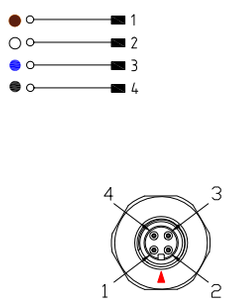
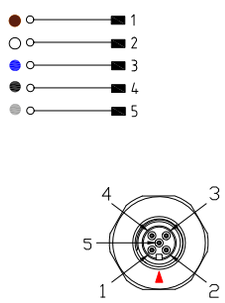
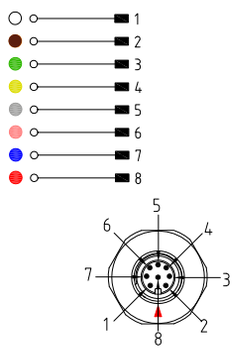


Technical drawing								
								
Product description								
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 S-Coded		M12 S-Coded		M12 S-Coded		M12 S-Coded	
Description	Circular connector M12 series S-coded,panel mount		Circular connector M12 series panel mount with TPO soldered wires		Circular connector M12 series S-coded,panel mount		Circular connector M12 series panel mount with TPO soldered wires	
Part number	**S-12FP4000-PG9**	**S-12FR4000-PG9**	**S-12FP4810C-PG9**	**S-12FR4810C-PG9**	**S-12MP4000-PG9**	**S-12MR4000-PG9**	**S-12MP4810C-PG9**	**S-12MR4810C-PG9**
Housing type	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side	Frontal panel side	Back panel side
Contacts type	Female		Female		Male		Male	
Number of contacts	3poles + P.E.		3poles + P.E.		3poles + P.E.		3poles + P.E.	
Fixing thread	PG9		PG9		PG9		PG9	
Cut size	-		-		-		-	
Technical data								
Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile coupling nut material	Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)		Brass+Nickel plated (SW17)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	630V AC		630V AC		630V AC		630V AC	
Rated current	12A		12A		12A		12A	
O-ring material	NBR		NBR		NBR		NBR	
Cable type	-		TPO		-		TPO	
No.Conductors / Section	-		4x1.5mm²		-		4x1.5mm²	
Conductor colours	-		Black 1; Black 2; Black 3; Yellow/Green		-		Black 1; Black 2; Black 3; Yellow/Green	
Cable diameter	-		-		-		-	
Cable length	-		0.3m		-		0.3m	
Packaging								
Qty/Bag	Not defined		Not defined					
Other accessories options								
See accessories section								
Notes:								

M12 CIRCULAR CONNECTORS



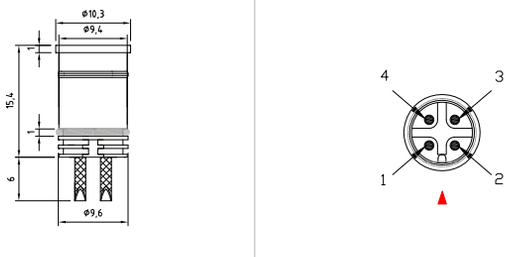


Technical drawing				
Product description				
Connector type	Circular connector panel mount		Circular connector panel mount		Circular connector panel mount	
Conforms to	IEC 61076-2-101		IEC 61076-2-101		IEC 61076-2-101	
Construction type	M12 A-Coded		M12 A-Coded		M12 A-Coded	
Description	Circular connector M12 series,panel mount, with PVC soldered wires		Circular connector M12 series,panel mount, with PVC soldered wires		Circular connector M12 series,panel mount, with PVC soldered wires	
Part number	**12MP4A0C-PG13.5**	**12MP4A0C-M20**	**12MP5A0C-PG13.5**	**12MP5A0C-M20**	**12MP8A0C-PG13.5**	**12MP8A0C-M20**
Housing type	Frontal panel side		Frontal panel side		Frontal panel side	
Contacts type	Male		Male		Male	
Number of contacts	4poles		5poles		8poles	
Fixing thread	PG13.5	M20x1.5	PG13.5	M20x1.5	PG13.5	M20x1.5
Cut size	-		-		-	
Technical data						
Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Housing material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
Mobile coupling nut material	Brass+Nickel plated (SW22)		Brass+Nickel plated (SW22)		Brass+Nickel plated (SW22)	
M12 coupling nut torque	0.4 N*m		0.4 N*m		0.4 N*m	
Rated voltage	250V AC / DC		60V AC / DC		30V AC / DC	
Rated current	4A		4A		2A	
O-ring material	NBR		NBR		NBR	
Cable type	PVC		PVC		PVC	
No.Conductors / Section	4 x 0.25mm^2		5 x 0.25mm^2		8 x 0.25mm^2	
Conductor colours	Brown; White; Blue; Black		Brown; White; Blue; Black; Grey		White;Brown;Green;Yellow;Grey;Pink;Blue;Red	
Cable diameter	-		-		-	
Cable length	0.3m		0.3m		0.3m	
Packaging						
Qty/Bag	Not defined		Not defined		Not defined	
Other accessories options						
See accessories section						
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section						

M12 CIRCULAR CONNECTORS



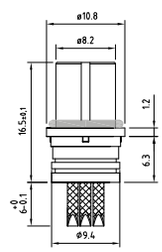
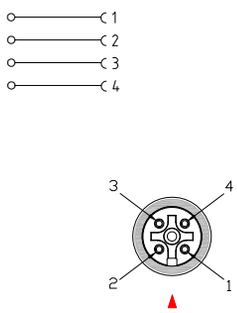
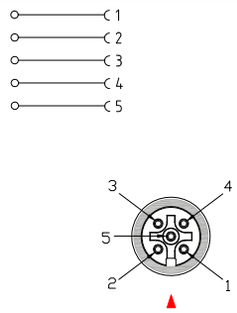
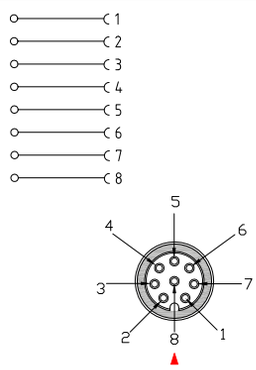


Technical drawing			
Product description			
Connector type	Internal core	Internal core	Internal core
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Internal core of circular connector M12 series,panel mount	Internal core of circular connector M12 series,panel mount	Internal core of circular connector M12 series,panel mount
Part number	**12MN4000**	**12MN5000**	**12MN8000**
Internal core housing type	Connector panel mount	Connector panel mount	Connector panel mount
Contacts type	Male	Male	Male
Number of contacts	4poles	5poles	8poles
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Internal core housing material	PA66	PA66	PA66
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Cable type	-	-	-
No.Conductors / Section	-	-	-
Conductor colours	-	-	-
Cable diameter	-	-	-
Cable length			
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS



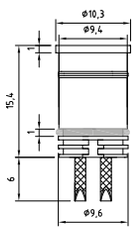
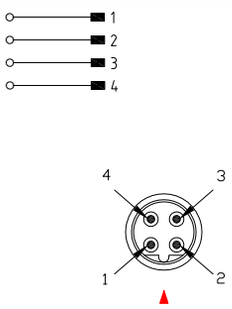
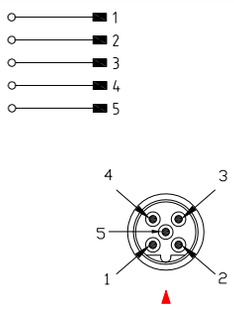


Technical drawing	 		
Product description			
Connector type	Internal core	Internal core	Internal core
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Internal core of circular connector M12 series,panel mount	Internal core of circular connector M12 series,panel mount	Internal core of circular connector M12 series,panel mount
Part number	**12FN4000**	**12FN5000**	**12FN8000**
Internal core housing type	Connector panel mount	Connector panel mount	Connector panel mount
Contacts type	Female	Female	Famale
Number of contacts	4poles	5poles	8poles
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Internal core housing material	PA66	PA66	PA66
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Cable type	-	-	-
No.Conductors / Section	-	-	-
Conductor colours	-	-	-
Cable diameter	-	-	-
Cable length	-	-	-
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS



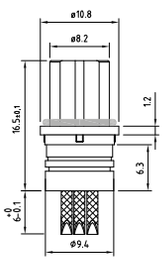
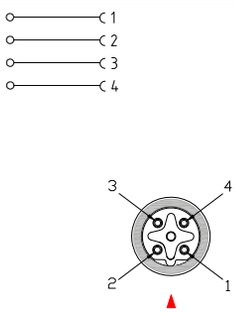
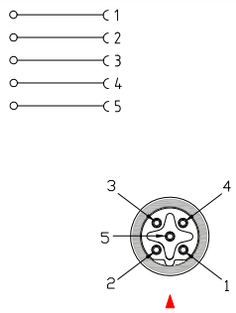


Technical drawing			
			
Product description			
Connector type	Internal core	Internal core	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 B-Coded	M12 B-Coded	
Description	Internal core of circular connector M12 series,B-coded,panel mount	Internal core of circular connector M12 series,B-coded,panel mount	
Part number	**B-12MN4000**	**B-12MN5000**	
Internal core housing type	Connector panel mount	Connector panel mount	
Contacts type	Male	Male	
Number of contacts	4poles	5poles	
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Internal core housing material	PA66	PA66	
Rated voltage	250V AC / DC	60V AC / DC	
Rated current	4A	4A	
O-ring material	NBR	NBR	
Cable type	-	-	
No.Conductors / Section	-	-	
Conductor colours	-	-	
Cable diameter	-	-	
Cable length			
Packaging			
Qty/Bag	Not defined	Not defined	
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS



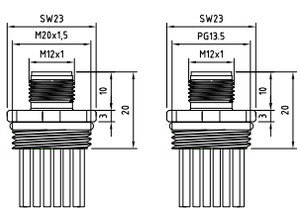
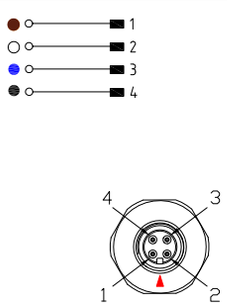
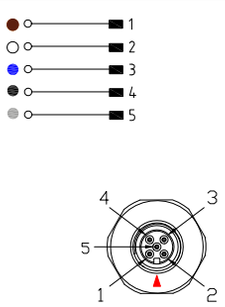
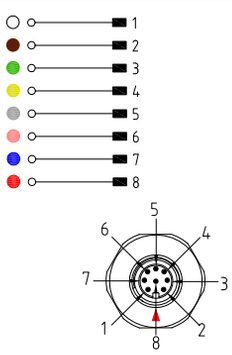


Technical drawing	 		
Product description			
Connector type	Internal core	Internal core	
Conforms to	IEC 61076-2-101	IEC 61076-2-101	
Construction type	M12 B-Coded	M12 B-Coded	
Description	Internal core of circular connector M12 series,B-coded,panel mount	Internal core of circular connector M12 series,B-coded,panel mount	
Part number	**B-12FN4000**	**B-12FN5000**	
Internal core housing type	Connector panel mount	Connector panel mount	
Contacts type	Female	Female	
Number of contacts	4poles	5poles	
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	
Contacts material	Brass+Gold flash	Brass+Gold flash	
Internal core housing material	PA66	PA66	
Rated voltage	250V AC / DC	60V AC / DC	
Rated current	4A	4A	
O-ring material	NBR	NBR	
Cable type	-	-	
No.Conductors / Section	-	-	
Conductor colours	-	-	
Cable diameter	-	-	
Cable length	-	-	
Packaging			
Qty/Bag	Not defined	Not defined	
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			

M12 CIRCULAR CONNECTORS



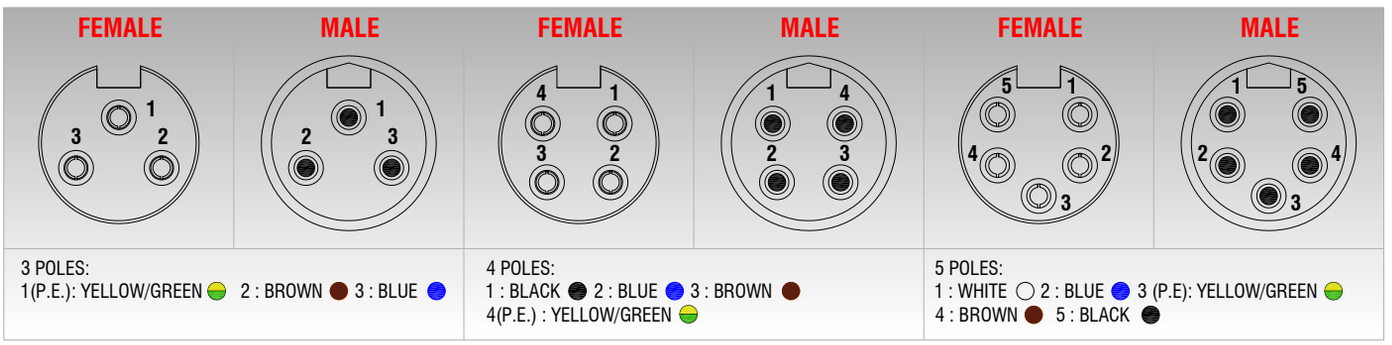


Technical drawing	 		
Product description			
Connector type	Circular connector panel mount	Circular connector panel mount	Circular connector panel mount
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A-Coded	M12 A-Coded	M12 A-Coded
Description	Circular connector M12 series,panel mount, plastic material, with PVC soldered wires	Circular connector M12 series,panel mount, plastic material, with PVC soldered wires	Circular connector M12 series,panel mount, plastic material, with PVC soldered wires
Part number	**12MPP4A0C-PG13.5** **12MPP4A0C-M20**	**12MPP5A0C-PG13.5** **12MPP5A0C-M20**	**12MPP8A0C-PG13.5** **12MPP8A0C-M20**
Housing type	Frontal panel side	Frontal panel side	Frontal panel side
Contacts type	Male	Male	Male
Number of contacts	4poles	5poles	8poles
Fixing thread	PG13.5 M20x1.5	PG13.5 M20x1.5	PG13.5 M20x1.5
Fixed nut size	SW23	SW23	SW23
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing material	PA66	PA66	PA66
Mobile coupling nut material	-	-	-
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	250V AC / DC	60V AC / DC	30V AC / DC
Rated current	4A	4A	2A
O-ring material	NBR	NBR	NBR
Cable type	PVC	PVC	PVC
No.Conductors / Section	4 x 0.25mm²	5 x 0.25mm²	8 x 0.25mm²
Conductor colours	Brown; White; Blue; Black	Brown; White; Blue; Black; Grey	White;Brown;Green;Yellow;Grey;Pink;Blue;Red
Cable diameter	-	-	-
Cable length	0.3m	0.3m	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			



7/8 “ CIRCULAR CONNECTORS

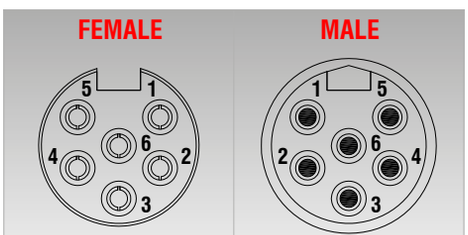
7/8" CIRCULAR CONNECTORS



3 POLES:
1(P.E.): YELLOW/GREEN 2 : BROWN 3 : BLUE

4 POLES:
1 : BLACK 2 : BLUE 3 : BROWN
4(P.E.) : YELLOW/GREEN

5 POLES:
1 : WHITE 2 : BLUE 3 (P.E): YELLOW/GREEN
4 : BROWN 5 : BLACK



6 POLES:
1 : WHITE 2 : BLUE 3(P.E.) : YELLOW/GREEN
4 : BROWN 5 : BLACK 6 : GREY

GENERAL FEATURES OF FIELD ATTACHABLE CONNECTORS:

Cable Gland :
PG11 : ø CABLE 6.5-9.5mm.

Conductor cross section :
max. 1.50mm²(16AWG).

Fixing system :
7/8" coupling nut.

Max. screw torque IEC60947-1 :
Contact screw torque 0.4 N*m.
7/8" coupling nut torque 0.8 N*m.

Type of terminations :
Screw.

Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66.

Internal core material :
PVC.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Flammability resistance :
V2 - Standard.

Protection class :
IP65/67 (assembled).

Operating temperature :
-40°C +90°C.

78	F	C	3	000	-	##

SERIES
78 : 7/8" CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

HOUSING TYPE
C : STRAIGHT HOUSING 180°.

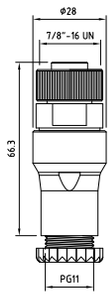
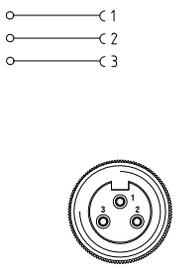
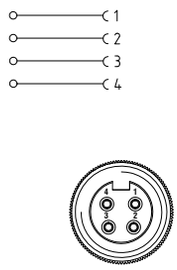
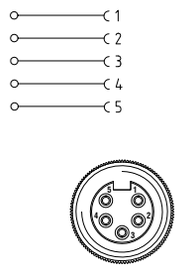
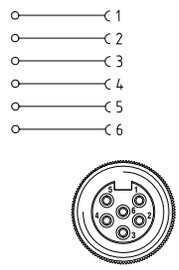
NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **5** : 5POLES. **6** : 6POLES.

CABLE TYPE AND LENGTH
000 : WITHOUT CABLE.

SOME VARIABLES
HN : HEXAGONAL 7/8" COUPLING NUT. **H:** HEXAGONAL CABLE GLAND **INOX** : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI304).
IN316 : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI316). **Y** : WITHOUT H.T.P.LOGO.

7/8" CIRCULAR CONNECTORS

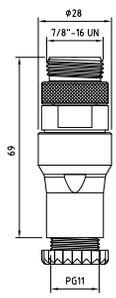
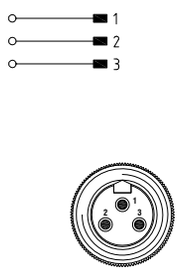
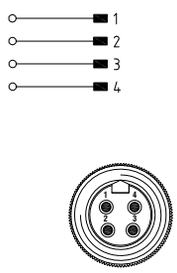
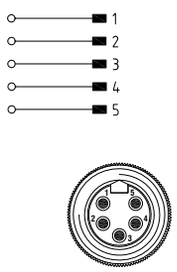
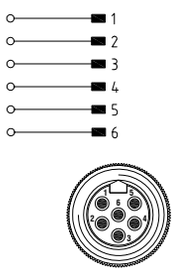


Technical drawing				
				
Product description				
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Conforms to	--	--	--	--
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Part number	**78FC3000**	**78FC4000**	**78FC5000**	**78FC6000**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower
Description	Circular connector 7/8" series field attachable	Circular connector 7/8" series field attachable	Circular connector 7/8" series field attachable	Circular connector 7/8" series field attachable
Contacts type	Female	Female	Female	Female
Number of contacts	3poles (2p.+P.E.)	4poles (3p.+P.E.)	5poles (4p.+P.E.)	6poles (5p.+P.E.)
Housing colour	Black	Black	Black	Black
Technical data				
Type of termination	Screw contacts	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
7/8" coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	12A	9A	9A	9A
Temperature range	-40°C +90°C	-40°C +90°C	-40°C +90°C	-40°C +90°C
O-ring material	NBR	NBR	NBR	NBR
Suitable cable	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page				

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7/8" CIRCULAR CONNECTORS



Technical drawing				
				
Product description				
Connector type	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable	Circular connector field attachable
Conforms to	--	--	--	--
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Part number	**78MC3000**	**78MC4000**	**78MC5000**	**78MC6000**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower	CIRCULAR flower
Description	Circular connector 7/8" series field attachable	Circular connector 7/8" series field attachable	Circular connector 7/8" series field attachable	Circular connector 7/8" series field attachable
Contacts type	Male	Male	Male	Male
Number of contacts	3poles (2p.+P.E.)	4poles (3p.+P.E.)	5poles (4p.+P.E.)	6poles (5p.+P.E.)
Housing colour	Black	Black	Black	Black
Technical data				
Type of termination	Screw contacts	Screw contacts	Screw contacts	Screw contacts
Contact screw torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
7/8" coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	12A	9A	9A	9A
Temperature range	-40°C +90°C	-40°C +90°C	-40°C +90°C	-40°C +90°C
O-ring material	NBR	NBR	NBR	NBR
Suitable cable	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm	ø 6.5 - 9.5mm
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page				

7/8" CIRCULAR CONNECTORS

GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section :
1.50mm²(16AWG).

Fixing system :
7/8" coupling nut.

Max. screw torque IEC60947-1
7/8" coupling nut torque 0.8 N*m.

Type of terminations :
Solder wires.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Polypropylene.

Internal core material :
PVC.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).
Stainless steel AISI316(upon request).

Protection class :
IP 67.

Operating temperature :
-40°C +90°C.

78	F	D	3	A	1Z	78	M	D	-	##

SERIES
78 : 7/8" CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

CONNECTOR TYPE
A : ANGLED 90°.
D : STRAIGHT 180°.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **5** : 5POLES. **6** : 6POLES.

CABLE TYPE
SEE CABLE CODIFICATION.

CABLE LENGTH

1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

EXTENSION
SPECIFY OTHER CONNECTOR'S SIDE.

SOME VARIABLES
INOX : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI316).
HN : HEXAGONAL 7/8" COUPLING NUT. **S** : Special stripping/peeling-tinng. **Y** : WITHOUT H.T.P.LOGO.

CABLE CODIFICATION:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
A	PVC/PVC	CEI2022	Black	1.50mm²	3	ø 7.8mm	-20°C / +80°C
					4	ø 10.2mm	-20°C / +80°C
					5	ø 11mm	-20°C / +80°C
C	PUR/PUR		Black	1.50mm²	3 *	ø 7.8mm	-40°C / +80°C
					4 *	ø 10.2mm	-40°C / +80°C
					5 *	ø 11mm	-40°C / +80°C

*** = Cables with minimum quantity required.**

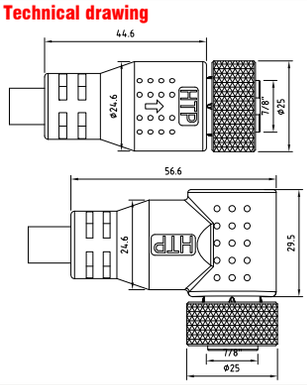
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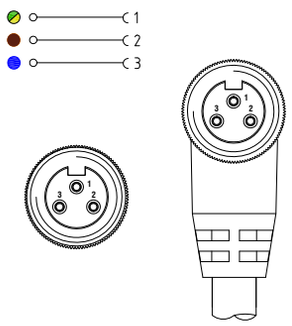
7/8" CIRCULAR CONNECTORS

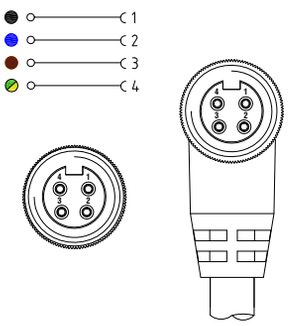


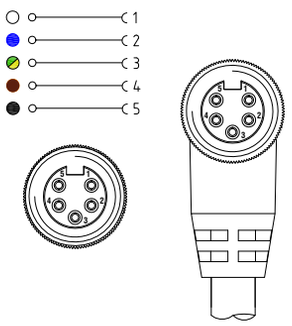


Technical drawing









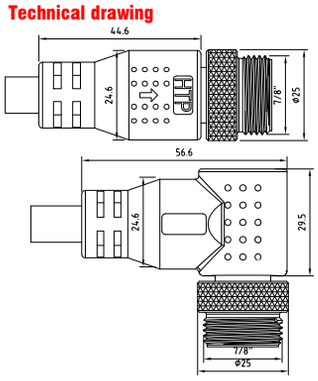
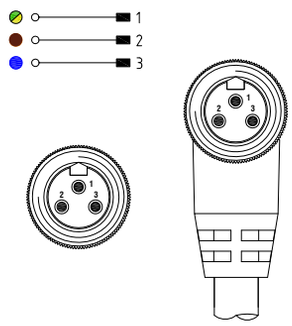
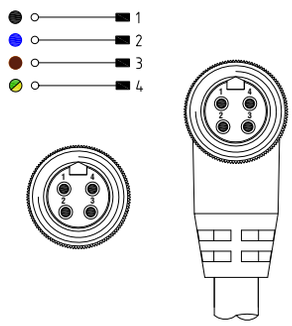
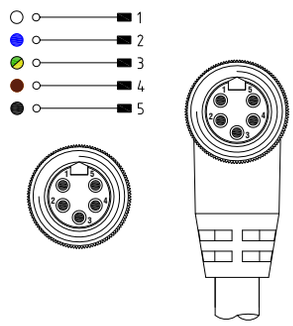
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	--		--		--	
Construction type	7/8"-16 UN		7/8"-16 UN		7/8"-16 UN	
Description	Circular connector 7/8" series with moulded cable		Circular connector 7/8" series with moulded cable		Circular connector 7/8" series with moulded cable	
Part number	**78FD3A1Z**	**78FA3A1Z**	**78FD4A1Z**	**78FA4A1Z**	**78FD5A1Z**	**78FA5A1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Female		Female		Female	
Number of contacts	3poles (2p.+P.E.)		4poles (3p.+P.E.)		5poles (4p.+P.E.)	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
7/8 " coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
7/8 " coupling nut torque	0.8 N*m		0.8 N*m		0.8 N*m	
Rated voltage	250V AC / DC		250V AC / DC		250V AC / DC	
Rated current	12A		9A		9A	
O-ring material	NBR		NBR		NBR	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x1.50mm²		4x1.50mm²		5x1.50mm²	
Conductor colours	Yellow/green; Brown; Blue;		Black; Blue; Brown; Yellow/green;		White; Blue; Yellow/green; Brown; Black;	
Cable diameter	ø7.8mm (±0.3)		ø10.2mm (±0.3)		ø11mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
-						

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

7/8" CIRCULAR CONNECTORS





Technical drawing						
						
Product description						
Connector type	Circular connector with moulded cable		Circular connector with moulded cable		Circular connector with moulded cable	
Conforms to	--		--		--	
Construction type	7/8"-16 UN		7/8"-16 UN		7/8"-16 UN	
Description	Circular connector 7/8" series with moulded cable		Circular connector 7/8" series with moulded cable		Circular connector 7/8" series with moulded cable	
Part number	**78MD3A1Z**	**78MA3A1Z**	**78MD4A1Z**	**78MA4A1Z**	**78MD5A1Z**	**78MA5A1Z**
Housing type	Straight 180°	Angled 90°	Straight 180°	Angled 90°	Straight 180°	Angled 90°
Cable gland	Moulded cable		Moulded cable		Moulded cable	
Contacts type	Male		Male		Male	
Number of contacts	3poles (2p.+P.E.)		4poles (3p.+P.E.)		5poles (4p.+P.E.)	
Housing colour	Black		Black		Black	
Technical data						
Type of termination	Contacts to solder wires		Contacts to solder wires		Contacts to solder wires	
Contacts material	Brass+Gold flash		Brass+Gold flash		Brass+Gold flash	
Coupling nut type	Knurl round		Knurl round		Knurl round	
7/8 " coupling nut material	Brass+Nickel plated		Brass+Nickel plated		Brass+Nickel plated	
7/8 " coupling nut torque	0.8 N*m		0.8 N*m		0.8 N*m	
Rated voltage	250V AC / DC		250V AC / DC		250V AC / DC	
Rated current	12A		9A		9A	
O-ring material	-		-		-	
Cable type	PVC/PVC CEI2022		PVC/PVC CEI2022		PVC/PVC CEI2022	
Cable jacket colour	Black		Black		Black	
No.Conductors / Section	3x1.50mm²		4x1.50mm²		5x1.50mm²	
Conductor colours	Yellow/green; Brown; Blue;		Black; Blue; Brown; Yellow/green;		White; Blue; Yellow/green; Brown; Black;	
Cable diameter	ø7.8mm (±0.3)		ø10.2mm (±0.3)		ø11mm (±0.3)	
Cable length	1m		1m		1m	
Packaging						
Qty/Bag	1 pc / bag		1 pc / bag		1 pc / bag	
Other accessories options						
-						

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

GENERAL FEATURES PANEL MOUNT CONNECTORS:

Conductor cross section :
1.50mm²(16AWG).

Fixing system :
7/8" coupling nut.

Max. screw torque IEC60947-1
7/8" coupling nut torque 0.8 N*m

Type of terminations :
Solder wires.
Solder PCB.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Brass+Nickel plated
Stainless Steel AISI304
(upon request).
Stainless Steel AISI316
(upon request)

Internal core material :
PA66.

Flammability resistance :
V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

78	F	P	3	A	0B	-	M8X1	-	##

SERIES
78 : 7/8" CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

CONNECTOR TYPE
P : FRONTAL MOUNTING.
Q: FRONTAL MOUNTING WITH PCB CONTACTS.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **5** : 5POLES.

CABLE TYPE
0 : WITHOUT WIRES. **A** : PVC WIRES 1.50mm². C : PUR WIRES 1.50mm².

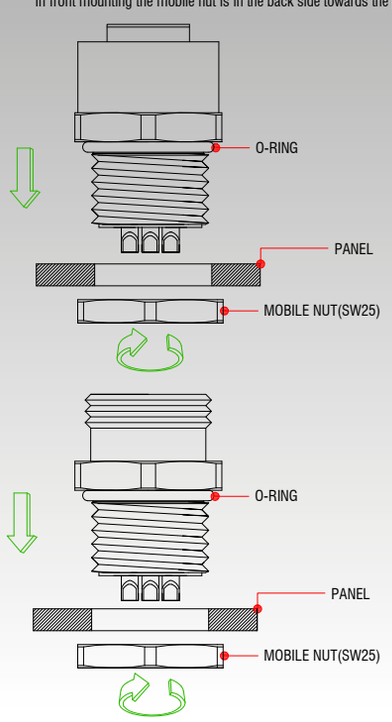
WIRES LENGTH
00: WITHOUT WIRES **0B** : 0.2m **0C** : 0.3m ... **1Z** : 1m

FIXING THREAD
PG13.5 : PG13.5. **M20** : M20X1.5.

SOME VARIABILTY
INOX : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI304). **IN316** : 7/8" COUPLING NUT IN STAINLESS STEEL(AISI316).
CO : CONNECTOR WITH CABLE. **CUT** : FIXING THREAD WITH ANTIROTATION CUT.

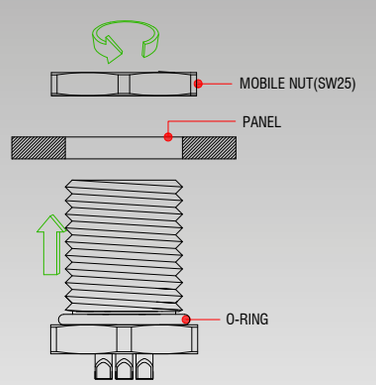
FRONT MOUNTING:

The type of mounting of the panel connector into the panel is defined with reference to the way the connector is mounted into the panel. In front mounting the mobile nut is in the back side towards the panel.



BACK MOUNTING:

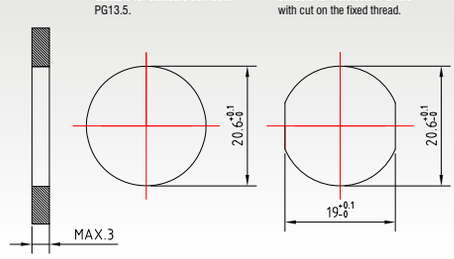
The type of mounting of the panel connector into the panel is defined with reference to the way the connector is mounted into the panel. In back mounting the mobile nut is in the front side towards the panel.



PANEL FEATURES:

Suitable for standard connector PG13.5.

* Suitable for connector PG13.5 with cut on the fixed thread.

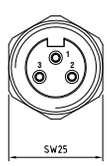
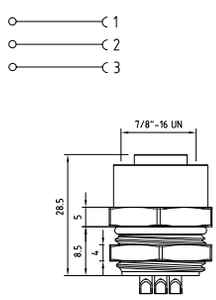
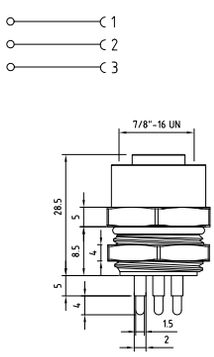
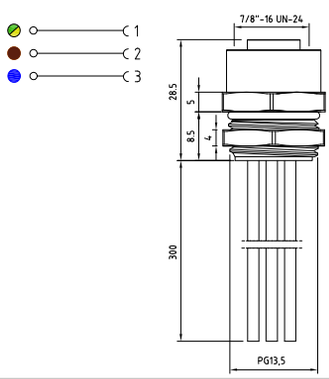


7/8" CIRCULAR CONNECTORS





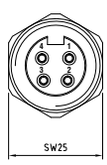
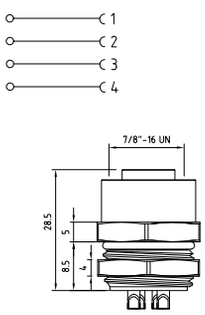
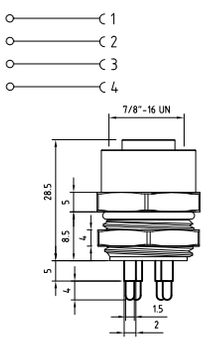
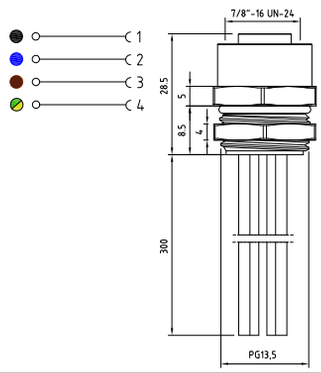


Technical drawing	 		
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.
Part number	**78FP3000-PG13.5**	**78FQ3000-PG13.5**	**78FP3A0C-PG13.5**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
Number of contacts	3poles	3poles	3poles
Fixing Thread	PG13.5	PG13.5	PG13.5
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	12A	12A	12A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3 x 1.50mm²
Conductor colours	-	-	Yellow/green; Brown; Blue;
Cable diameter	-	-	-
Cable length	-	-	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
-			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

7/8" CIRCULAR CONNECTORS





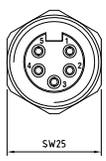
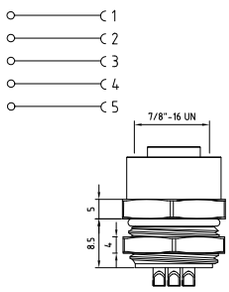
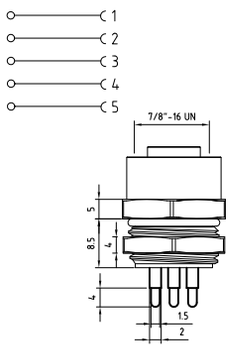
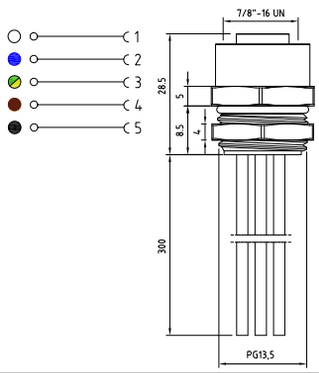
Technical drawing			
			
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.
Part number	**78FP4000-PG13.5**	**78FQ4000-PG13.5**	**78FP4A0C-PG13.5**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
Number of contacts	4poles	4poles	4poles
Fixing Thread	PG13.5	PG13.5	PG13.5
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8" coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	9A	9A	9A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4 x 1.50mm^2
Conductor colours	-	-	Black; Blue; Brown; Yellow/green;
Cable diameter	-	-	-
Cable length	-	-	0.3m
Packaging			
Qty/Bag	Not definited	Not defined	Not defined
Other accessories options			
-			

Notes:
Connectors available with different feautures:
See the general features and codification scheme page

7/8" CIRCULAR CONNECTORS



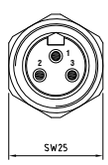
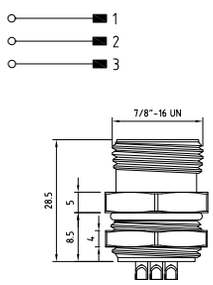
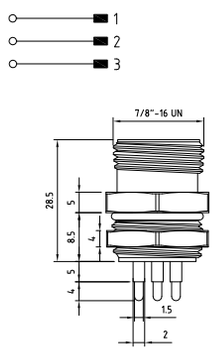
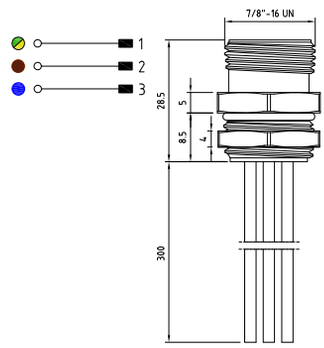


Technical drawing				
Product description				
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.
Part number	**78FP4000-PG13.5**	**78FQ5000-PG13.5**	**78FP5A0C-PG13.5**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Female	Female	Female
Number of contacts	5poles	5poles	5poles
Fixing Thread	PG13.5	PG13.5	PG13.5
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	9A	9A	9A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	5 x 1.50mm^2
Conductor colours	-	-	White; Blue; Yellow/green; Brown; Black;
Cable diameter	-	-	-
Cable length	-	-	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
-			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

7/8" CIRCULAR CONNECTORS



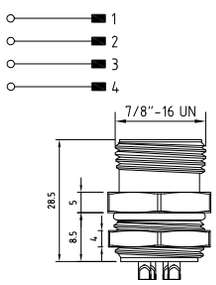
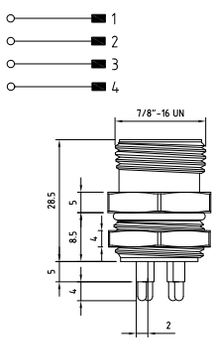
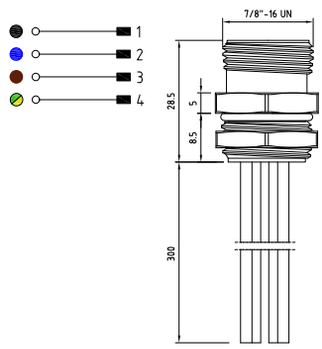


Technical drawing			
			
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.
Part number	**78MP3000-PG13.5**	**78MQ3000-PG13.5**	**78MP3A0C-PG13.5**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	3poles	3poles	3poles
Fixing Thread	PG13.5	PG13.5	PG13.5
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	12A	12A	12A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	3 x 1.50mm²
Conductor colours	-	-	Yellow/green; Brown; Blue;
Cable diameter	-	-	-
Cable length	-	-	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
-			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

7/8" CIRCULAR CONNECTORS



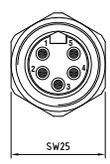
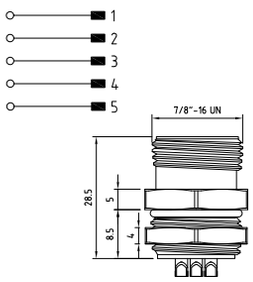
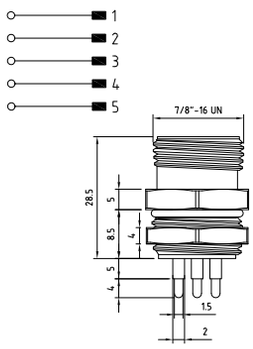
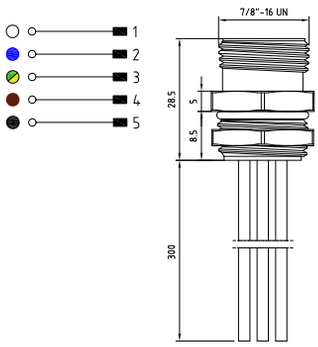


Technical drawing			
			
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.
Part number	**78MP4000-PG13.5**	**78MQ4000-PG13.5**	**78MP4A0C-PG13.5**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	4poles	4poles	4poles
Fixing Thread	PG13.5	PG13.5	PG13.5
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	9A	9A	9A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	4 x 1.50mm²
Conductor colours	-	-	Black; Blue; Brown; Yellow/green;
Cable diameter	-	-	
Cable length	-	-	0.3m
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
-			
Notes: Connectors available with different feautures: See the general features and codification scheme page			

7/8" CIRCULAR CONNECTORS

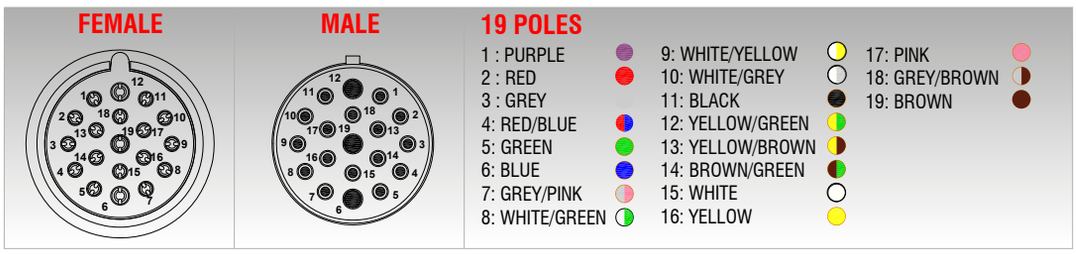




Technical drawing				
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Description	Circular connector 7/8" series to PANEL.	Circular connector 7/8" series to PANEL with contacts suitable for solder PCB.	Circular connector 7/8" series to PANEL with PVC soldered wires.
Part number	**78MP5000-PG13.5**	**78MQ5000-PG13.5**	**78MP5A0C-PG13.5**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	5poles	5poles	5poles
Fixing Thread	PG13.5	PG13.5	PG13.5
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder for PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)	Brass+Nickel plated (SW25)
7/8 " coupling nut torque	0.8 N*m	0.8 N*m	0.8 N*m
Rated voltage	250V AC / DC	250V AC / DC	250V AC / DC
Rated current	9A	9A	9A
O-ring material	NBR	NBR	NBR
Cable type	-	-	PVC
No.Conductors / Section	-	-	5 x 1.50mm²
Conductor colours	-	-	White; Blue; Yellow/green; Brown; Black;
Cable diameter	-	-	-
Cable length	-	-	0.3m
			White; Blue; Yellow/green; Brown; Black;
Packaging			
Qty/Bag	Not defined	Not defined	Not defined
Other accessories options			
-			
Notes: Connectors available with different feautures: See the general features and codification scheme page			



M23 CIRCULAR CONNECTORS



GENERAL FEATURES OF MOULDED / PANEL MOUNT CONNECTORS:

Conductor cross section :
Power contacts:
0.75mm²(18AWG).
Signal contacts:
0.34mm²(22AWG).

Rated Voltage:
150V.

Rated current:
Power contacts: 10A.
Signal contacts: 8A.

Fixing system :
M23 coupling nut.

Type of terminations :
Solder wires.

Contact material and treatment :
Brass + Gold flash.

Housing material :
Moulded connectors:
Polypropylene.
Panel mount:
Brass+Nickel plated.
Stainless steel AISI304(upon request)

Internal core material :
PA66.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).

Protection class :
IP 67.

Operating temperature :
-25°C +90°C.

23	F	D	19	P	1Z	-	##

SERIES
23 : M23 CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

HOUSING TYPE
A : ANGLED 90°.
D : STRAIGHT 180°.
P: TO PANEL (CONTACTS TO SOLDER).
S: TO PANEL (CONTACTS FOR PCB.)

NUMBERS OF POLES
19 : 19POLES.

CABLE TYPE
000 : WITHOUT CABLE.
P : P-3+16-IS.

CABLE LENGTH

1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

SOME VARIABILTY
- INOX : M23 COUPLING NUT IN STAINLESS STEEL(AISI304). **- Y** : WITHOUT H.T.P.LOGO.

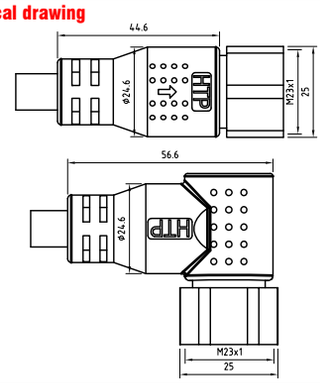
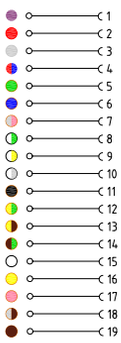
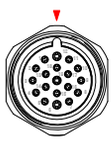
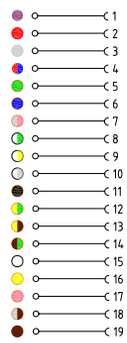
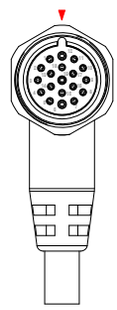
M23 CONNECTORS CABLE:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
P-3+16-IS	PUR/PP	c UL us ULstyle 20549	Black	3xAWG 19 + 16xAWG 22 (0.75mm²) (0.34mm²)	3 + 16	ø10.6mm	-40°C / +80°C

M23 CIRCULAR CONNECTORS





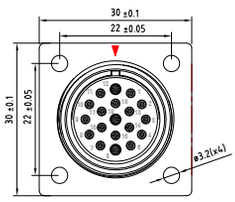
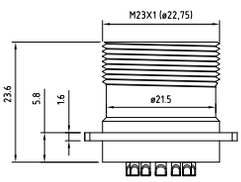
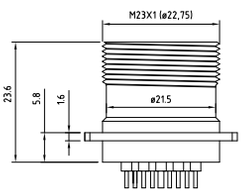
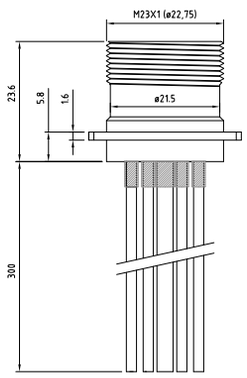
Technical drawing		
	 	 
Product description		
Connector type	Circular connector with moulded cable	Circular connector with moulded cable
Construction type	M23	M23
Description	Circular connector M23 series with moulded cable	Circular connector M23 series with moulded cable
Part number	**23FD19P1Z-K6-IS**	**23FA19P1Z-K6-IS**
Housing type	Straight 180°	Angled 90°
Cable gland	Moulded cable	Moulded cable
Contacts type	Female	Female
Number of contacts	19poles	19poles
Housing colour	Black	Black
Technical data		
Type of termination	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Hexagonal (SW25)	Hexagonal (SW25)
M23 coupling nut material	Brass+Nickel plated	Brass+Nickel plated
M23 coupling nut torque	## N*m	## N*m
Rated voltage	150V AC/DC	150V AC/DC
Rated current	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
O-ring material	NBR	NBR
Cable type	PUR/TPO ULstyle20549	PUR/TPO ULstyle20549
Cable jacket colour	Black	Black
No.Conductors / Section	19x0.34mm²+3x0.75mm²	19x0.34mm²+3x0.75mm²
Conductor colours	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.
Cable diameter	ø10.6mm (±0.3)	ø10.6mm (±0.3)
Cable length	1m	1m
Packaging		
Qty/Bag	1 pc / bag	1 pc / bag
Other accessories options		
See accessories section		
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section		

HTP®
HIGH TECH PRODUCTS S.R.L.

M23 CIRCULAR CONNECTORS





Technical drawing			
			
Product description			
Connector type	Circular connector to panel	Circular connector to panel	Circular connector to panel
Conforms to	-	-	-
Construction type	M23	M23	M23
Description	Circular connector M23 series,panel mount.	Circular connector M23 series,panle mount, with contacts suitable for solder PCB.	Circular connector M23 series,panel mount, with PVC soldered wires.
Part number	**23MP19000-FL**	**23MS19000-FL**	**23MP19P0B-FL**
Mounting type	Frontal side of the panel	Frontal side of the panel	Frontal side of the panel
Contacts type	Male	Male	Male
Number of contacts	19 poles	19 poles	19 poles
Fixing Type	Flange 30x30mm	Flange 30x30mm	Flange 30x30mm
Number of fixing holes	n° 4	n° 4	n° 4
Technical data			
Type of termination	Contacts to solder wires	Contacts to solder PCB	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Housing /coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Mobile nut material(SW)	-	-	-
M23 coupling nut torque			
Rated voltage	150V AC/DC	150V AC/DC	150V AC/DC
Rated current	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A	Power contacts: 10A / Signal contacts: 8A
O-ring material	NBR	NBR	NBR
Cable type	-	-	TPO
No.Conductors / Section	-	-	3 x 0.75mm^2+16 x 0.34mm^2
Conductor colours	- -	- -	Vt;Rd;Gy;Rd/Bu;Gn;Bu;Gy/Pk;Wh/Gn;Wh/Ye; Wh/Gy;Bk;Ye/Gn;Ye/Bn;Bn/Gn;Wh;Ye;Pk;Gy/Bn;Bn.
Cable diameter	-	-	-
Wires length	-	-	0.3m
Packaging			
Qty/Bag			
Other accessories options			
See accessories section			
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section			



DISTRIBUTION BOXES

GENERAL FEATURES:

Type of terminations :
Terminal block with screws.

Cable Gland :
PG11 : ø CABLE 6.5 - 9.5mm.

Conductor cross section :
0.14(26AWG)...1mm²(17AWG).

Circuit type :
PNP circuit.
NPN circuit (upon request).

Local diagnostic :
Supply voltage: Green Led.
Status display I/O: Red Led.

SIGNAL per OUTLET:
Single.

Rated voltage:
10-30V DC.

Rated current:
Current carrying capacity per I/O signal: 2A.
Current carrying capacity per slot: 2A.
Total rated current: 8A.

Fixing system :
M8 coupling nut.

Max. screw torque IEC60947-1 :
M8 coupling nut torque 0.2N*m.

M8 Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

J | 08 | T | 6 | B | 3 | - | ##

SERIES
J : DISTRIBUCTION BOX.

TYPE
08 : M8 CIRCULAR CONNECTOR.

GENDER
T : DISTRIBUCTION BOX FIELD ATTACHABLE.

NUMBERS OF POSITIONS
6 : 6 POSITIONS. **8** : 8 POSITIONS. **10** : POSITIONS.

COLOUR
B : BLACK.

NUMBERS OF POLES
3 : 3POLES.

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO.
WL : WITHOUT LED.
NPN: NPN CIRCUIT.



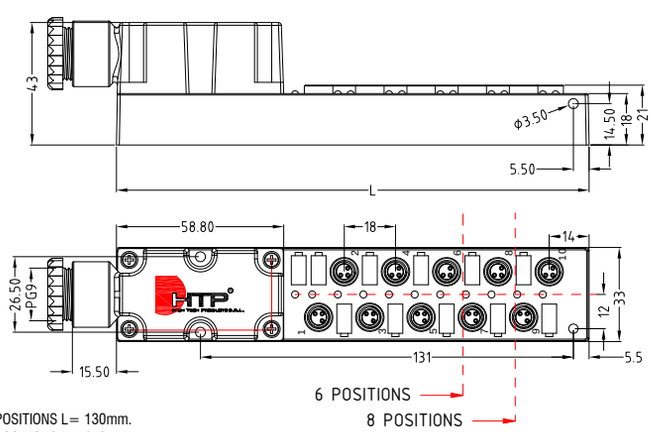
J08T6B3



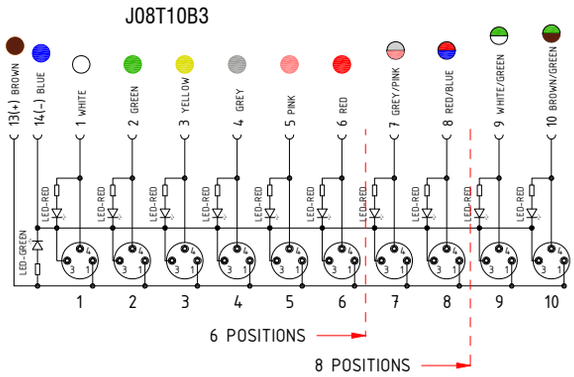
J08T8B3



J08T10B3



6 POSITIONS L= 130mm.
8 POSITIONS L= 150mm.
10 POSITIONS L= 166mm.



DISTRIBUTION BOXES

GENERAL FEATURES:

Type of terminations :
Moulded cable.

Circuit type :
PNP circuit.
NPN circuit (upon request).

Local diagnostic :
Supply voltage: Green Led.
Status display I/O: Red Led.

SIGNAL per OUTLET:
Single.

Rated voltage:
10-30V DC.

Rated current:
Current carrying capacity per I/O signal: 2A.
Current carrying capacity per slot: 2A.
Total rated current: 8A.

Fixing system :
M8 coupling nut.

Max. screw torque IEC60947-1 :
M8 coupling nut torque 0.2N*m.

M8 Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

J	08	C	4	B	3	P	5Z	-	##

SERIES
J : DISTRIBUCTION BOX.

TYPE
08 : M8 CIRCULAR CONNECTOR.

GENDER
C : DISTRIBUCTION BOX WITH CABLE.

NUMBERS OF POSITIONS
4 : 4 POSITIONS. **6** : 6 POSITIONS. **8** : 8 POSITIONS.
10 : 10 POSITIONS. **12** : 12 POSITIONS.

COLOUR
B : BLACK.

NUMBERS OF POLES
3 : 3POLES.

CABLE TYPE
P : PUR/PUR. **V** : PVC/PVC.

CABLE LENGTH
5Z : 5m.
10 : 10m.

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO. **WL**: WITHOUT LED. **NPN**: NPN CIRCUIT.

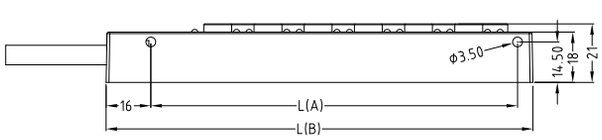

J08C4B3...


J08C6B3...

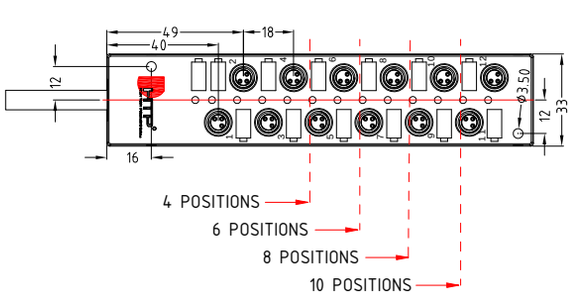

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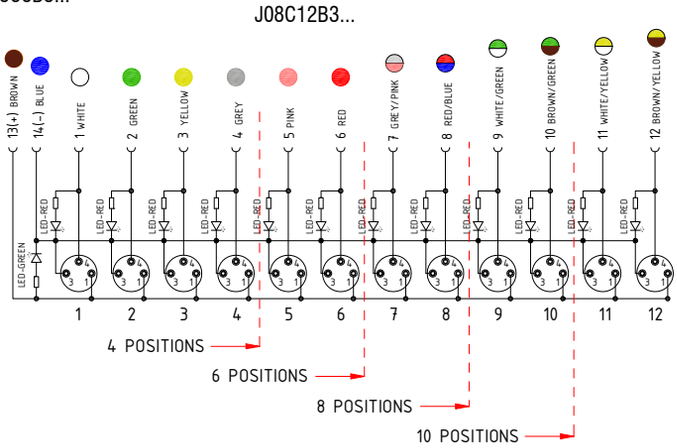

J08C8B3...


J08C12B3...



4 POSITIONS L(A)= 59.50mm. L(B)= 81mm
6 POSITIONS L(A)= 77.50mm. L(B)= 99mm.
8 POSITIONS L(A)= 95.50mm. L(B)= 117mm.
10 POSITIONS L(A)= 113.50mm. L(B)= 135mm.
12 POSITIONS L(A)= 131.50 mm. L(B)= 153mm.





GENERAL FEATURES:

Type of terminations :
M12 connector.

Cable Gland :
PG11 : ø CABLE 6.5 - 9.5mm.

Circuit type :
PNP circuit.
NPN circuit (upon request).

Local diagnostic :
Supply voltage: Green Led.
Status display I/O: Red Led.

SIGNAL per OUTLET:
Single.

Rated voltage:
10-30V DC.

Rated Current (4-6-12 positions):
Current carrying capacity per I/O signal: 2A.
Current carrying capacity per slot: 2A.
Total rated current: 2A.

Rated Current (8 positions):
Current carrying capacity per I/O signal: 1.5A.
Current carrying capacity per slot: 1.5A.
Total rated current: 1.5A.

Fixing system :
M8 coupling nut.

Max. screw torque IEC60947-1 :
M8 coupling nut torque 0.2N*m
M12 coupling nut torque 0.4N*m

M8 Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

J	08	M	4	B	3	-	##

SERIES
J : DISTRIBUCTION BOX.

TYPE
08 : M8 CIRCULAR CONNECTOR.

GENDER
M : DISTRIBUCTION BOX WITH M12.

NUMBERS OF POSITIONS
4 : 4 POSITIONS. **6** : 6 POSITIONS. **8** : 8 POSITIONS.
10 : 10 POSITIONS. **12** : 12 POSITIONS.

COLOUR
B : BLACK.

NUMBERS OF POLES
3 : 3POLES.

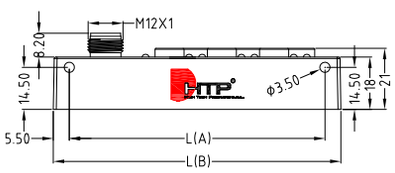
SOME VARIABLES
Y : WITHOUT H.T.P.LOGO.
WL : WITHOUT H.T.P.LOGO.
NPN: NPN CIRCUIT.



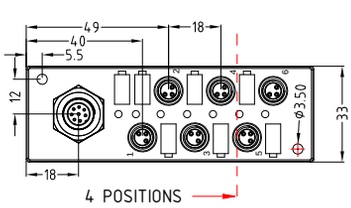
J08M4B3

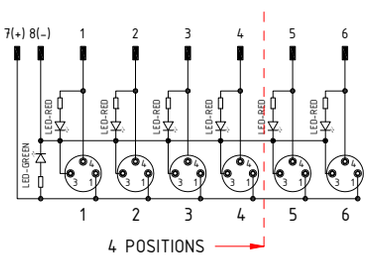


J08M6B3



4 POSITIONS L(A)= 70mm. L(B)= 81mm.
6 POSITIONS L(A)= 88mm. L(B)= 99mm.





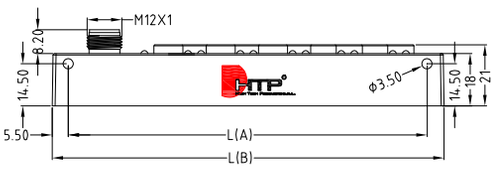
DISTRIBUTION BOXES



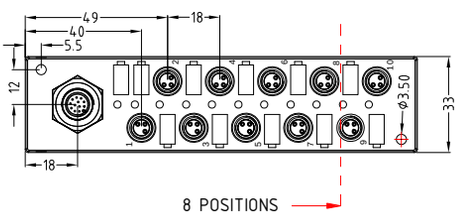
J08M8B3

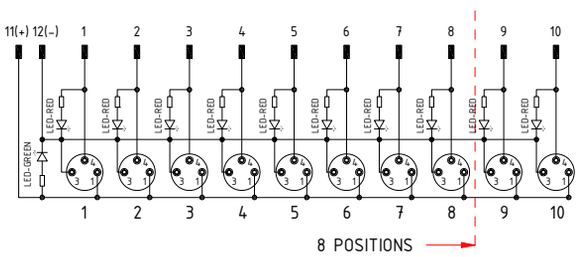


J08M10B3



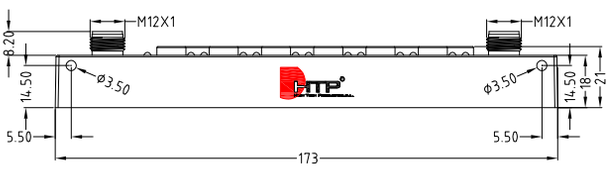
8 POSITIONS L(A)= 105.75mm. L(B)= 116.75mm.
10 POSITIONS L(A)= 123.50mm. L(B)= 134.90mm.

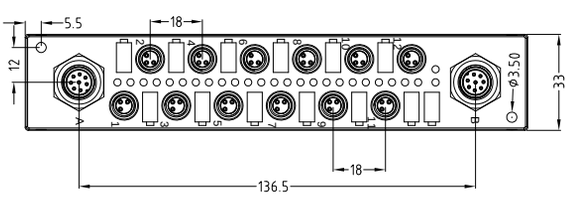


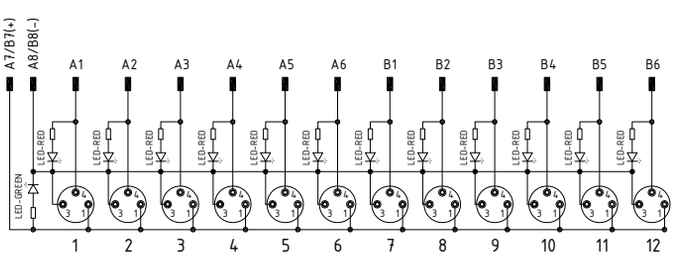




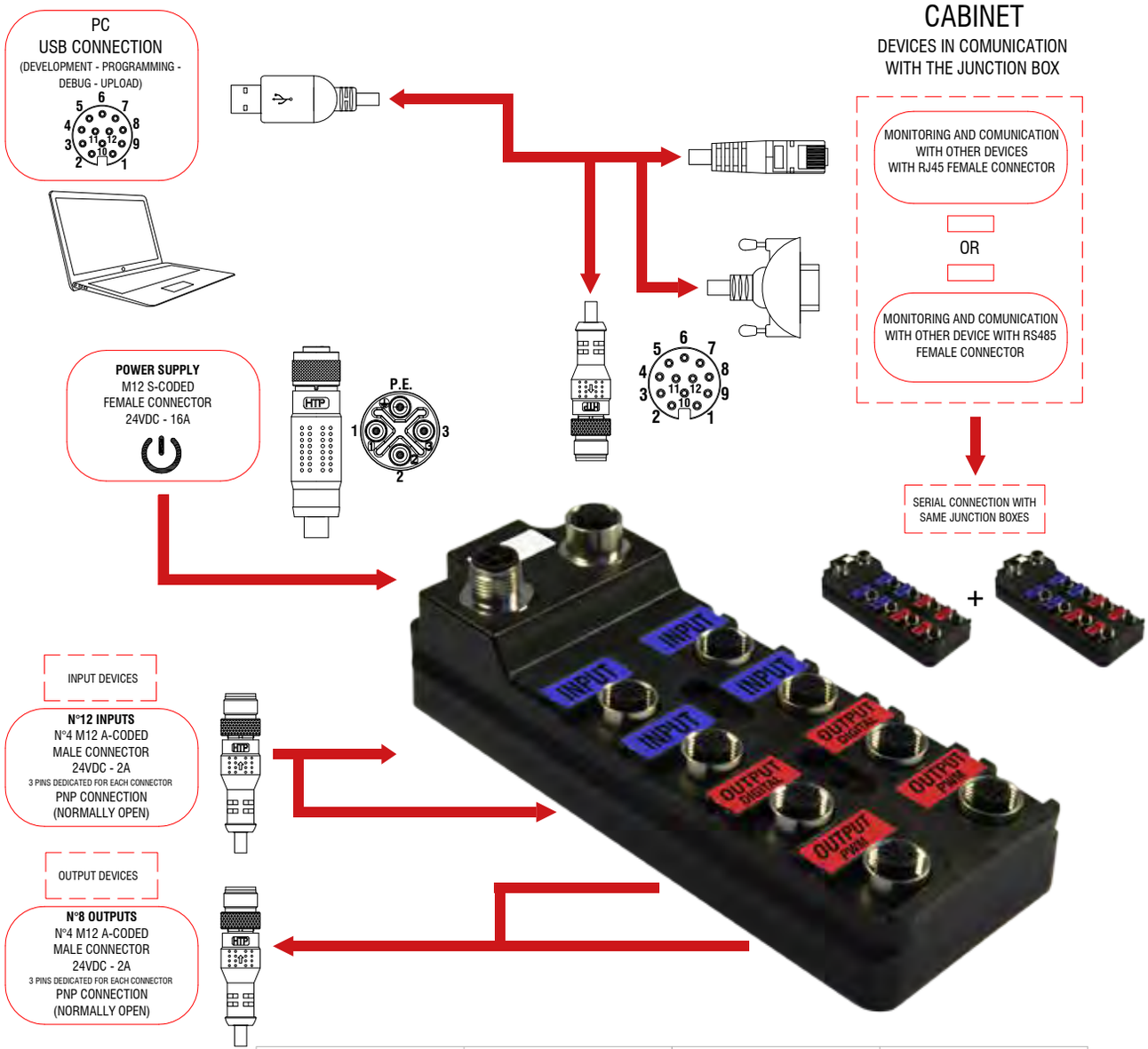
J08M12B3





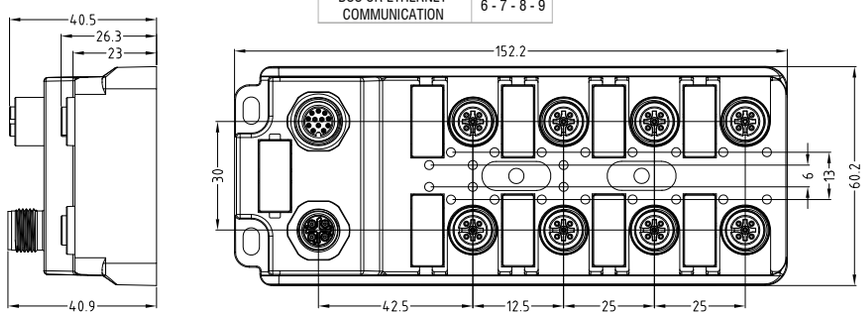


IP67 SMART JUNCTION BOX WITH INTEGRATED PLC



IP67

POWER CONNECTOR		PROGRAMMING CONNECTOR		INPUTS CONNECTOR		OUTPUTS CONNECTOR	
M12 S-CODED MALE 4 POLES		M12 A-CODED FEMALE 12 POLES		M12 A-CODED FEMALE 5 POLES		M12 A-CODED FEMALE 4 POLES	
FUNCTION	**PINS**	**FUNCTION**	**PINS**	**FUNCTION**	**PINS**	**FUNCTION**	**PINS**
POWER SUPPLY	1 - 3	PCB CONFIGURATION ONLY	1 - 10 11 - 12	POWER SUPPLY	1 - 3	POWER SUPPLY	1 - 3
OUTPUTS DIGITAL/ PWM SIGNALS	2 - 4	USB I/O CONFIGURATION	2 - 3 - 4 - 5	INPUTS DIGITAL SIGNALS	2 - 4 - 5	OUTPUTS DIGITAL/ PWM SIGNALS	2 - 4
		BUS OR ETHERNET COMMUNICATION	6 - 7 - 8 - 9				



New Product

DISTRIBUTION BOXES

General features	Power supply	Programming	Inputs	Outputs
Connectors qty	n°1	n°1	n°4	n°4
Connector type	M12 S-coded	M12 A-coded	M12 A-coded	M12 A-coded
Contacts type	Male	Female	Female	Female
Number of contacts	n°4	n°12	n°5	n°4
Rated voltage	24V DC	5V DC	12V DC < Vn < 30V DC	24V DC
Rated current	16A	-	2A	2A
Electrical protection	Overvoltage protection	-	Optoisolated connections	Optoisolated connections
Coupling nut material	Brass+Nickel plated			
Housing material	PA66 UL94-V2			
Protection class	IP67			
Operating temperature	-40°C +90°C			
I/O features	**Signal circuit type**	**Signal contacts qty**	**Signal type**	
Inputs	PNP	n°12 (n°3 for each connector)	digital*	
Outputs	PNP	n°8 (n°2 for each connector)	n°4 digital* - n°4 PWM**	
*digital : Simply "ON/OFF" signal, without any suddivision - **PWM : Digital scalar signal, from 0%(value=0) to 100% (value=1023)				
Application features	**Development type**	**Communication protocols**	**Scans qty**	**Scan qty**
TaskScript studio	Grafic (Model-Based IDE)	ModBUS/RTU, ModBUS/TCP, HTTP/TCP/IP	10k scans/sec	<0,2ms

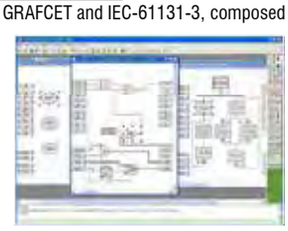
Notes:
- User friendly programming language (Sequential function chart) derived from GRAFCET and IEC-61131-3
- Fast program-debug-deploy cycle

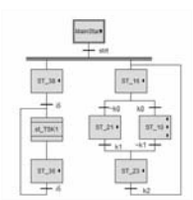
The application development environment is based on a graphical environment running upon the Windows Operating systems (from Windows XP to Windows 10), which assists the designer throughout the whole design cycle of an embedded application, from the sketch of the first modules to the deployment of the executable code to the target physical board.
The main supported phases are:

- Modeling of the solution using the graphical language;
- Validation of the design and code generation;
- Simulation of the design, possibly interacting with a model of the controlled periphery;
- Upload of the embedded application to the target physical junction box;
- Test of the design within the physical environment.
- Diagnosis of the physical environment.

Modeling of the solution using the graphical language

The graphical lenguage is based on GRAFCET and IEC-61131-3, composed by flow chart of steps; each of them contains one or more tasks; that is made of connections between I/O using mathematics and Boolean's gates.



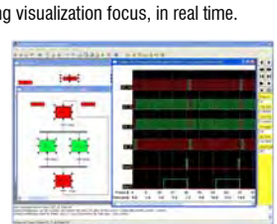


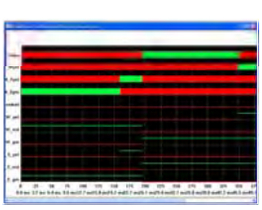
Validation of the design and codes generation

This application can validate and generate the code necessary to create the working file to upload on the Juction box.
The validation explain clearly,which are the mistakes made during the program creation, making a report file available directly on the application.
During the codes generation phase can be made all the file, also the one usable to make the simulation.

Simulation of the design, possibly interacting with a model of the controlled periphery

Using the same application, easly can be made a step by step simulation, focused specific inputs, outputs, tasksand variables present on the flow chart steps.
It is possible changing the simulating visualization focus, in real time.





Upload of the embedded application to the target physical junction box

Thanks the connection available by USB, it is easly uploading the application using the code generation, on the junction box.

Test of the design within the physical environment

Using the application is possible to verify the correct operation of the program, directly on the junction box.

Diagnosis of the physical environment

It is easy to verifiy the correct operation of the junction box during the work functions

DISTRIBUTION BOXES

PLC Junction Box KIT features	Part number	Packing	Quantity
Junction box PLC KIT	J12R8B5-KIT-PLC	carton box (complete of the products below)	n°1
KIT components features			
PLC Junction box	J12R8B5-PLC	carton box (complete of general information sheet)	n°1
Power connector	S-12FD4B5Z-PLC	plastic bag (complete of wiring diagram sheet)	n°1
USB connector	12MA12XX5ZUSB-PLC	plastic bag (complete of wiring diagram sheet)	n°1

Notes:
- Usually to get the Junction Box is needed to buy the KIT complete of components
- In special cases it is possible to buy a part of the kit, please contact us to verify the feasibility



J12R85B5-PLC



12MA12XX5ZUSB-PLC



S-12FD4B5Z-PLC

PLC Junction Box accessories	Part number	Packing
RS485 connector part number	12MA12A5ZMB-PLC	pastic bag (complete of wiring diagram sheet)
INPUT connector part number	A5B0C-C3-C3-C3-PLC	pastic bag (complete of wiring diagram sheet)
OUTPUT connector part number	A4B0C-C3-C3-PLC	pastic bag (complete of wiring diagram sheet)

Notes:
- please contact us to verify the MOQ to place a order



12MA12A5ZMB-PLC



A5B0C-C3-C3-C3-PLC



A4B0C-C3-C3-PLC

DISTRIBUTION BOXES

GENERAL FEATURES:

Type of terminations :
Terminal block with screws.

Cable Gland :
PG13.5 : ø CABLE 7 - 12mm.

Conductor cross section :
0.14(26AWG)...1.5mm²(16AWG).

Circuit type :
PNP circuit.
NPN circuit (upon request).

Local diagnostic :
Supply voltage: Green Led.
Status display I/O: Red Led.

SIGNAL per OUTLET:
Double.
Single(upon request).

Rated voltage:
10-30V DC.

Rated current:
Current carrying capacity per I/O signal: 2A.
Current carrying capacity per slot: 4A.
Total rated current: 10A.

Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1 :
M12 coupling nut torque 0.4N*m.

M12 Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

J	12	T	4	B	5	-	PG13.5	##

SERIES
J : DISTRIBUCTION BOX.

TYPE
12 : M12 CIRCULAR CONNECTOR.

GENDER
T : DISTRIBUCTION BOX FIELD ATTACHABLE.

NUMBERS OF POSITIONS
4 : 4 POSITIONS. **6** : 6 POSITIONS. **8** : 8 POSITIONS.

COLOUR
B : BLACK.

NUMBERS OF POLES
5 : 5POLES (STANDARD). **4** : 4POLES (SINGLE SIGNAL).

CABLE GLAND

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO.
WL : WITHOUT LED.
NPN: NPN CIRCUIT.



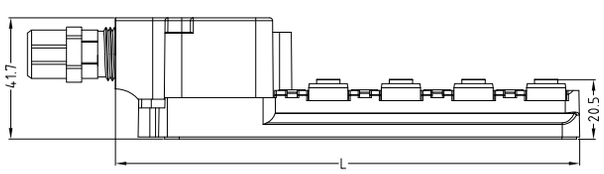
J12T4B...



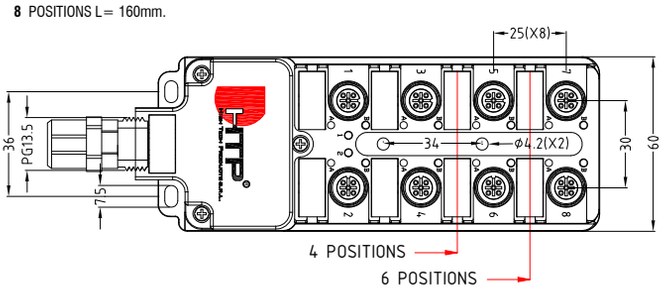
J12T6B...

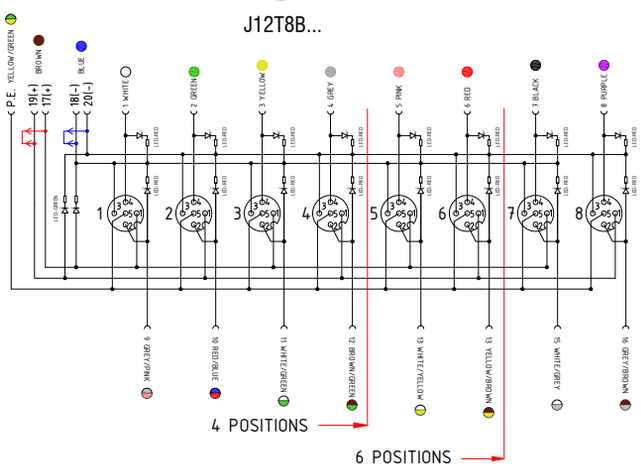


J12T8B...



4 POSITIONS L= 110mm.
6 POSITIONS L= 135mm.
8 POSITIONS L= 160mm.





GENERAL FEATURES:

Type of terminations :
Moulded cable.

Circuit type :
PNP circuit.
NPN circuit (upon request).

Local diagnostic :
Supply voltage: Green Led.
Status display I/O: Red Led.

SIGNAL per OUTLET:
Double.
Single (upon request).

Rated voltage:
10-30V DC.

Rated current:
Current carrying capacity per I/O signal: 2A.
Current carrying capacity per slot: 4A.
Total rated current: 10A.

Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1 :
M12 coupling nut torque 0.4N*m.

M12 Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

J	12	C	4	B	5	P	5Z	-	##

SERIES
J : DISTRIBUCTION BOX.

TYPE
12 : M12 CIRCULAR CONNECTOR.

GENDER
C : DISTRIBUCTION BOX WITH CABLE.

NUMBERS OF POSITIONS
4 : 4 POSITIONS. **6** : 6 POSITIONS. **8** : 8 POSITIONS.

COLOUR
B : BLACK.

NUMBERS OF POLES
5 : 5POLES (STANDARD). **4** : 4POLES (SINGLE SIGNAL).

CABLE TYPE
P : PUR/PUR. **V** : PVC/PVC.

CABLE LENGTH
5Z : 5m.
10 : 10m.

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO. **WL** : WITHOUT LED. **NPN**: NPN CIRCUIT.



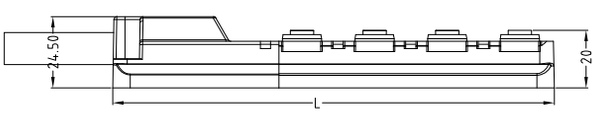
J12C4B...



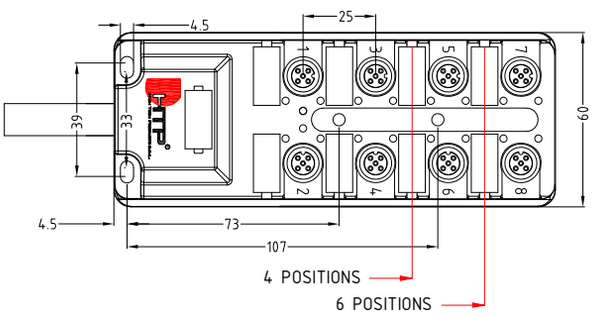
J12C6B...

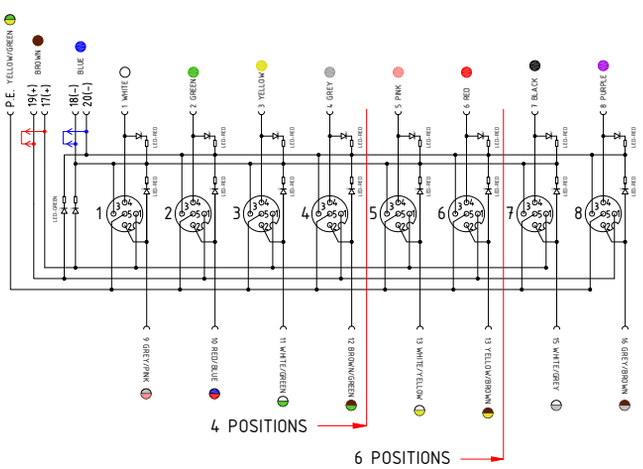


J12C8B...



4 POSITIONS L= 102mm.
6 POSITIONS L= 130mm.
8 POSITIONS L= 150mm.





DISTRIBUTION BOXES

GENERAL FEATURES:

Type of terminations :
M23 connector.

Circuit type :
PNP circuit.
NPN circuit (upon request).

Local diagnostic :
Supply voltage: Green Led.
Status display I/O: Red Led.

SIGNAL per OUTLET:
Double.
Single(Upon request).

Rated voltage:
10-30V DC.

Rated current:
Current carrying capacity per I/O signal: 2A.
Current carrying capacity per slot: 4A.
Total rated current: 12A.

Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1 :
M12 coupling nut torque 0.4 N*m.

Contact material and treatment :
Brass + Gold flash.

Housing material :
PA66 UL94-V2.

Internal core material :
PA66 UL94-V2.

Coupling nut material :
Brass+Nickel plated.

Flammability resistance :
UL94-V2 - Standard.

Protection class :
IP 67 (assembled).

Operating temperature :
-40°C +90°C.

J	12	N	8	B	5	-	##

SERIES
J : DISTRIBUCTION BOX.

TYPE
12 : M12 CIRCULAR CONNECTOR.

GENDER
N : DISTRIBUCTION BOX WITH M23.

NUMBERS OF POSITIONS
8 : 8 POSITIONS.

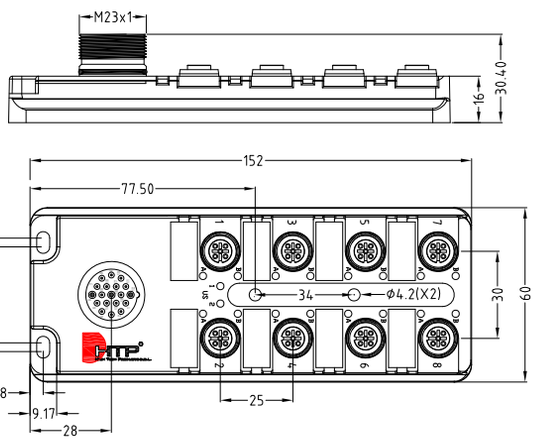
COLOUR
B : BLACK.

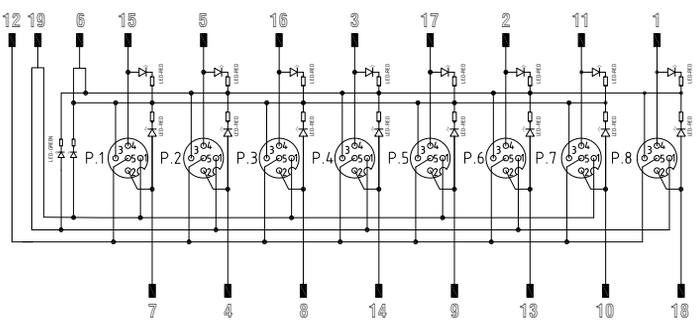
NUMBERS OF POLES
5 : 5POLES.

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO.
WL : WITHOUT LED.
NPN: NPN CIRCUIT.



J12N8B5





Notes:



AUTOMOTIVE / METRIPACK CONNECTORS

GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section :
0.34mm²(22AWG)...1(18AWG).

Fixing system :
Suitable for Metri-pack system copling.

Type of terminations :
Crimped wires.

Contact material and treatment :
Brass + tin plated.

Contact seal material :
Round liquid silicone.

Housing material :
Polypropylene.

Nominal current :
7.5A.

Max contact current :
15A.

Protection class :
IP 67.

Operating temperature :
-25°C +90°C

C866	3	02	1Z	-	##

SERIES
C866 : AUTOMOTIVE METRI-PACK series.

NUMBERS OF POLES
3 : 3POLES.

CABLE TYPE
SEE CABLES FEATURES TABLE.

CABLE LENGTH

1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

SOME VARIABLES
S : Special stripping/peeling-tinng.



AUTOMOTIVE CONNECTORS CABLES:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
01	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm²	3	ø5mm	-20°C / +80°C
02	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	3	ø6.7mm	-20°C / +80°C
03	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	3	ø5.5mm	-20°C / +80°C
04	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	3	ø5mm	-20°C / +80°C
B*	PVC/PVC	CEI2022	Black	0.34mm²	3	ø 4.8mm	-20°C / +80°C
L	PVC/PVC	CEI2022	Grey RAL7032	0.34mm²	3	ø 4.8mm	-20°C / +80°C
D*	PUR/PUR		Black	0.34mm²	3	ø 4.8mm	-40°C / +80°C

*** = Cables with minimum quantity required.**

GENERAL FEATURES OF MOULDED CONNECTORS:

Conductor cross section :
0.34(22AWG)...0.75mm²(18AWG).

Fixing system :
Interchangeable with DT series connector system.

Type of terminations :
Solder wires.

Contact material and treatment :
Brass + tin plated.

Contact seal material :
Round liquid silicone.

Housing material :
Polypropylene.

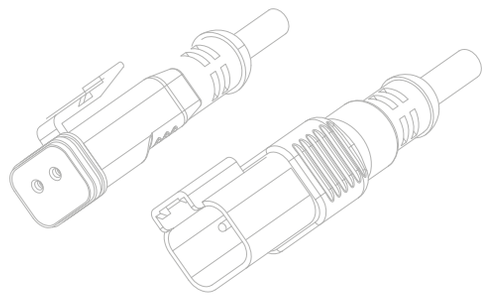
Internal core material :
PA66.

Nominal current :
7.5A.

Max contact current :
15A.

Protection class :
IP 67.

Operating temperature :
-25°C +90°C.



HDC	F	D	2	00	0	02	1Z	-	HDC	M	D	2	-	##

SERIES
HDC : AUTOMOTIVE CONNECTORS.

GENDER
F : (DT06) FEMALE. **M** : (DT04) MALE.

CONNECTOR TYPE
D : STRAIGHT 180°.

NUMBERS OF POLES
2 : 2POLES. **4** : 4POLES.

CIRCUIT TYPE
00: WITHOUT ELECTRONIC. **VL:** VARISTOR+BIPOLAR RED LED. **DL:** DIODE+RED LED.

VOLTAGE
0 : 250V / 300V. **1** : 24V. **2** : 115V. **3** : 230V. **4** : 12V. **5** : 48 V.

CABLE TYPE
SEE CABLES FEATURES TABLE.

CABLE LENGTH

1Z : 1m	**A** : +10cm
2Z : 2m	**B** : +20cm
3Z : 3m	**C** : +30cm
...	...
	I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

EXTENSION
SPECIFY OTHER CONNECTOR'S SIDE.

SOME VARIABLES
S : Special stripping/peeling-tinng.

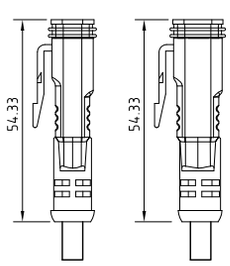
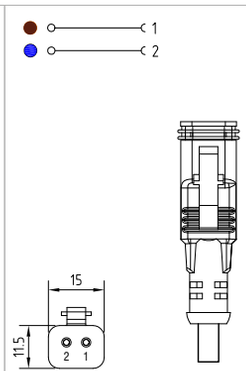
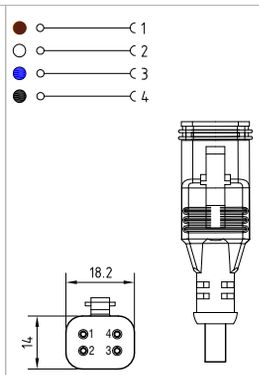
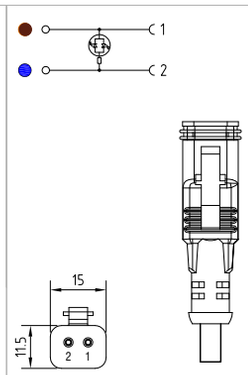
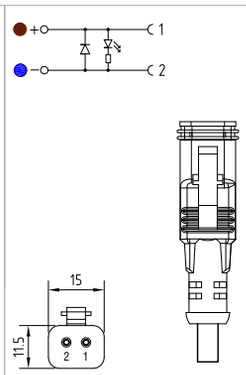
AUTOMOTIVE CONNECTORS CABLES:

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
A1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm²	2	ø5mm	-20°C / +80°C
A2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	2	ø6mm	-20°C / +80°C
A3	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	2	ø6mm	-20°C / +80°C
A4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm²	2	ø5mm	-20°C / +80°C
A8*	PUR/PVC		Black	0.50mm²	2	ø5mm	-40°C / +80°C
A9	PUR/PVC		Black	0.75mm²	2	ø6mm	-40°C / +80°C
AA*	PUR/PUR	Li-YY11Y	Black	0.50mm²	2	ø5mm	-40°C / +80°C
BA*	PUR/PUR	Li-YY11Y	Black	0.75mm²	2	ø6.5mm	-40°C / +80°C
49*	PUR/PVC	Li-YY11Y	Black	0.75mm²	4	ø7mm	-40°C / +80°C
37*	PVC/PVC	IEC332-1 H05VVF	Grey RAL7032	0.75mm²	4	ø7mm	-20°C / +80°C

*** = Cables with minimum quantity required.**

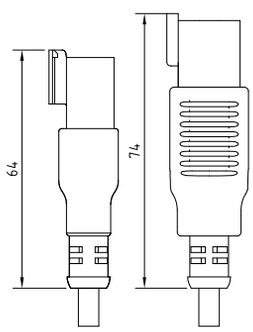
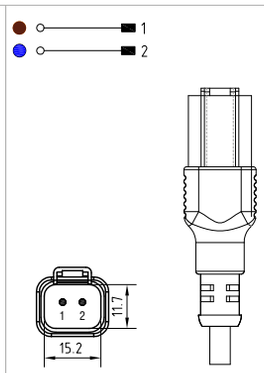
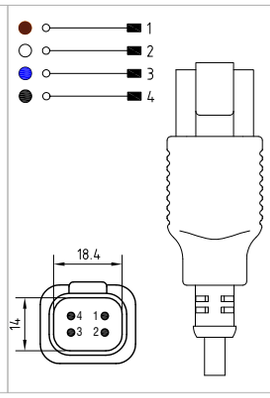
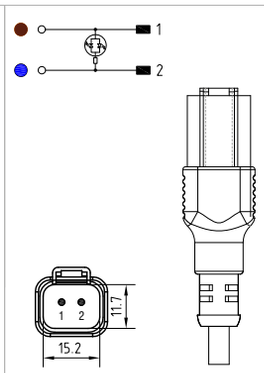
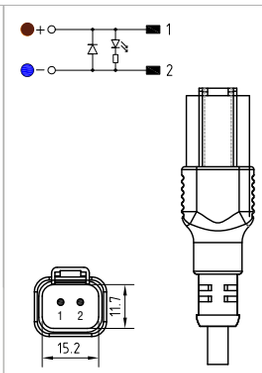
AUTOMOTIVE / METRIPACK CONNECTORS



Technical drawing					
Product description					
Connector type	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector
Interchangeable to	Deutsch DT06	Deutsch DT06	Deutsch DT06	Deutsch DT06
Construction type	Valve connector DT series	Valve connector DT series	Valve connector DT series	Valve connector DT series
Description	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.
Part number	**HDCFD2000A21Z**	**HDCFD4000371Z**	**HDCFD2L01A21Z**	**HDCFD2DL1A21Z**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable	Moulded cable
Contacts type	Female	Female	Female	Female
Number of contacts	2poles	4poles	2poles	2poles
Housing colour	Black	Black	Transparent	Transparent
Technical data				
Type of termination	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Rated voltage	10-230 V AC/DC	10-230 V AC/DC	24 V AC/DC	24 V DC
Circuit type	-	-	Bipolar Led	Bipolar Led + Diode(1A)
Led colour	-	-	Red	Red
Rated current	8A	7A	4A	4A
Gasket material	Silicone	Silicone	Silicone	Silicone
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Grey	Black	Black
No.Conductors / Section	2x0.75mm²	4x0.75mm²	2x0.75mm²	2x0.75mm²
Conductor colours	Brown; Blue	Brown; White; Blue ; Black	Brown; Blue	Brown; Blue
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	**ø6.7mm (±0.3)**	ø6.7mm (±0.3)
Cable length	1m	1m	**1m**	1m
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	**1 pc / bag**	1 pc / bag
Other accessories options				
See accessories section				
Notes: Connectors available with different feautures: See the general features and codification scheme page See the cables list section				

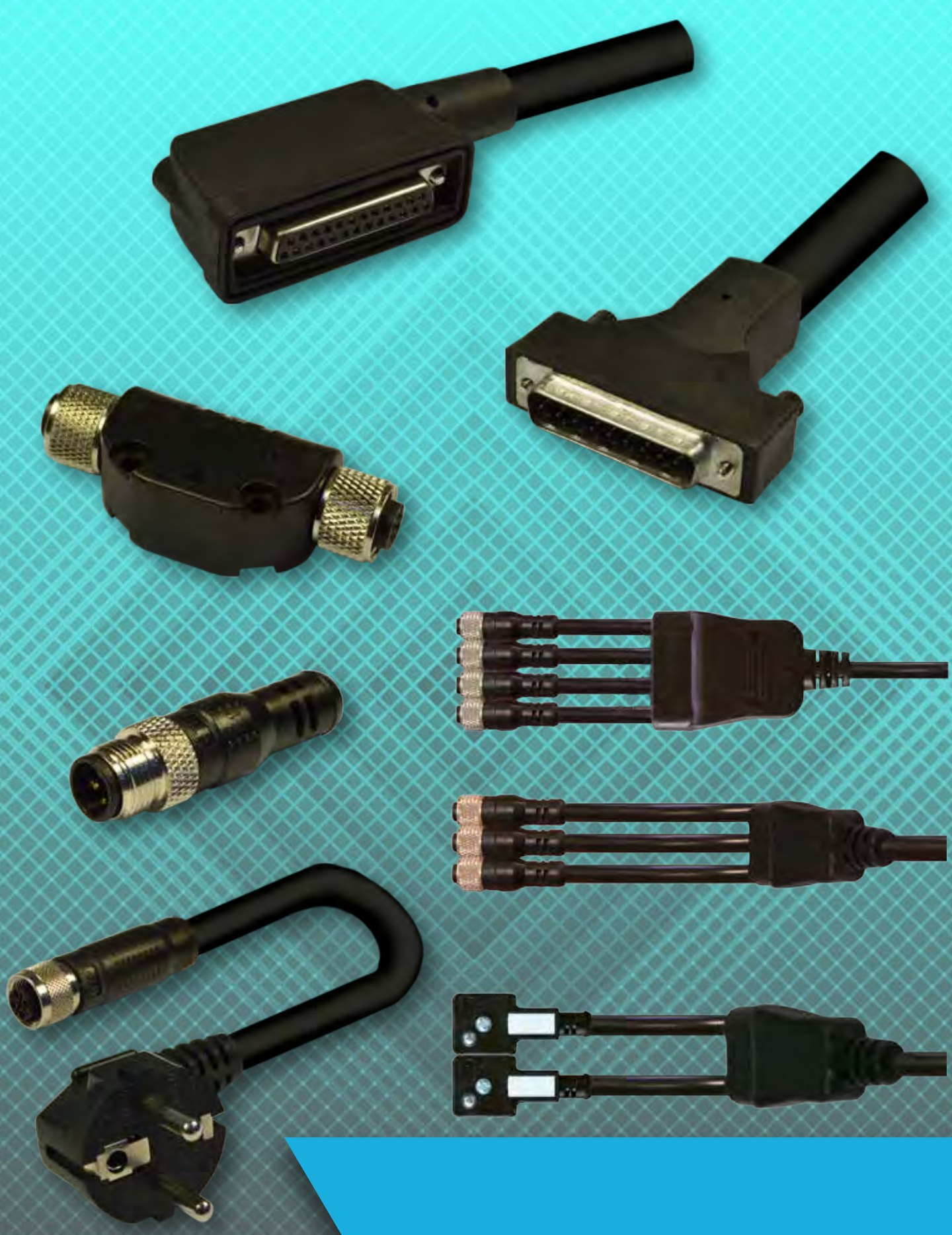
AUTOMOTIVE / METRIPACK CONNECTORS



Technical drawing					
Product description					
Connector type	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector	Automotive/Valve connector
Interchangeable to	Deutsch DT04	Deutsch DT04	Deutsch DT04	Deutsch DT04
Construction type	Valve connector DT series	Valve connector DT series	Valve connector DT series	Valve connector DT series
Description	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector without electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.	Automotive/Valve connector with moulded cable. Connector with electronic.
Part number	**HDCMD2000A21Z**	**HDCMD4000371Z**	**HDCMD2L01A21Z**	**HDCMD2DL1A21Z**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	Moulded cable	Moulded cable	Moulded cable	Moulded cable
Contacts type	Male	Male	Male	Male
Number of contacts	2poles	4poles	2poles	2poles
Housing colour	Black	Black	Transparent	Transparent
Technical data				
	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires	Contacts to solder wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Rated voltage	10-230 V AC/DC	10-230 V AC/DC	24 V AC/DC	24 V DC
Circuit type	-	-	Bipolar Led	Bipolar Led + Diode(1A)
Led colour	-	-	Red	Red
Rated current	8A	8A	4A	4A
Gasket material	-	-	-	-
Cable type	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF	PVC/PVC IEC332-1 H05VVF
Cable jacket colour	Black	Grey	Black	Black
No.Conductors / Section	2x0.75mm²	4x0.75mm²	2x0.75mm²	2x0.75mm²
Conductor colours	Brown; Blue	Brown; White; Blue ; Black	Brown; Blue	Brown; Blue
Cable diameter	ø6.7mm (±0.3)	ø7mm (±0.3)	ø6.7mm (±0.3)	ø6.7mm (±0.3)
Cable length	1m	1m	1m	1m
Packaging				
Qty/Bag	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				

Notes:
Connectors available with different feautures:
See the general features and codification scheme page
See the cables list section





SPECIAL CONNECTORS

GENERAL FEATURES:

Conductor cross section :
0.34(22AWG) ... 1.50mm²(16AWG).

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
CG1-CM1-CM2-CP2 series: Max. 0.5 N * m.
CP1 series: Max. 0.4 N * m.

Type of terminations :
To solder.

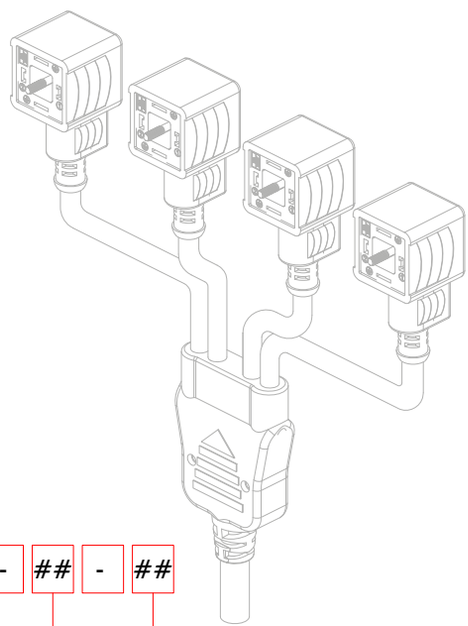
Contact material and treatment :
Brass + Silver plated.

Housing material :
Polypropylene.

Internal core material :
PA66-V2.

Protection class :
IP67.

Operating temperature :
-25°C +90°C (connector)
(NBR gasket -40°C +90°C)
(Silicone gasket -40°C +125°C)



CG	D	N	0	2	00	0	C	02	2	-	##	-	##

SERIES
CG: EN175301-803 form A (18mm) only for double exit.
CG1 : EN175301-803 form A (18mm).
CM1 : INDUSTRIAL form B (11mm).
CM2 : EN175301-803 form B (10mm).
CP1 : EN175301-803 form C (8mm).
CP2 : MICRO INDUSTRIAL form C (9.4mm).

EXITS
D : 2 EXITS. **3** : 3 EXITS. **4** : 4 EXITS. **5** : 5 EXITS. ...
12 : 12 EXITS.

COLOUR
N : BLACK (STANDARD).

CABLE EXIT
0 : MOULDED CABLE.

POLES No.
2 : 2POLES + EARTH. **3** : 3POLES + EARTH.

CIRCUIT TYPE
SEE CIRCUITS PAGE.

VOLTAGE
0 : 250V / 300V. **1** : 24V. **2** : 115V. **3** : 230V. **4** : 12V. **5** : 48V.

EARTH POSITION
A : H.6. **B** : H.12. **C** : DOUBLE H.6-12. **D** : H.3. **E** : H.9. **F** : DOUBLE H.3-9.

MANIFOLD CABLE TYPE

2 EXITS:	**B2**	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	4	ø7mm	-20°C / +80°C
3 EXITS:	**C2**	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	5	ø8.3mm	-20°C / +80°C
4-5-6 EXITS:	**8N**	PVC/PVC	CEI2022	Black	0.34mm²	8	ø8.3mm	-20°C / +80°C
7-8 EXITS:	**4P**	PUR/TPO	ULstyle 20549	Black	0.34mm² 0.75mm²	8 3	ø8.8mm	-25°C / +80°C
9-10-11-12-13-14-15-16 EXITS:	**8P**	PUR/TPO	ULstyle 20549	Black	0.34mm² 0.75mm²	16 3	ø10.6mm	-25°C / +80°C

CABLE LENGTH
1 : 1m **A** : +10cm
2 : 2m **B** : +20cm
3 : 3m **C** : +30cm
... ...
I : +90cm

EXAMPLE: "...CB22C" = 2.3m
"...CB22F" = 2.6m"
"...CB22I" = 2.9m"

CABLE LENGTH SPLITTER-CONNECTORS
NO DIGIT: 200mm. **350:** 350mm **...** **1000:** 1000mm. ETC.

SOME VARIABLES
L : PROFILED GASKET. **SS** : STAINLESS STEEL SCREW. **Y** : WITHOUT H.T.P.LOGO. **##**: CUSTOMIZED VARIABLES.

SPECIAL CONNECTORS

GENERAL FEATURES:

Conductor cross section :
M8: 0.14(26AWG) ... 0.5mm²(20AWG).
M12: 0.25(24AWG) ... 0.75mm²(19AWG).

Fixing system :
M8 / M12 coupling nut.

Max. screw torque IEC60947-1
M8 coupling nut torque 0.4N*m.
M12 coupling nut torque 0.6N*m.

Type of terminations :
Crimped wires/to solder.

Contact material and treatment :
Brass + Gold flash.

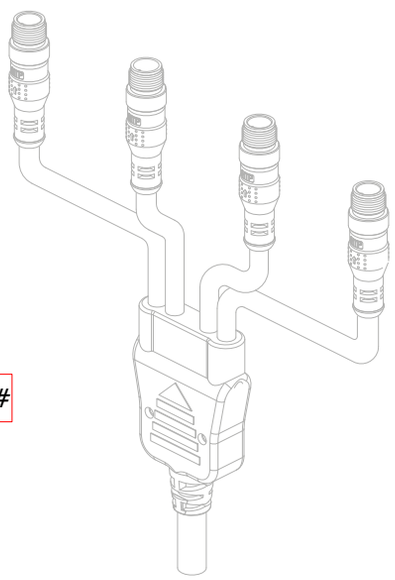
Housing material :
Polypropylene.

Internal core material :
PA66-V2.

Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).

Protection class :
IP67.

Operating temperature :
-25°C +90°C.



S4	C	4	8B	1Z	-	A	4	-	##	-	##

EXITS
S2 : 2 EXITS. **S3** : 3 EXITS. **S4** : 4 EXITS. **S5** : 5 EXITS ...
S12 : 12 EXITS.

SERIES
- : FREE CABLE.
A: M12 CIRCULAR CONNECTOR MALE 180°.
B: M12 CIRCULAR CONNECTOR MALE 90°.
C: M12 CIRCULAR CONNECTOR FEMALE 180°.
D: M12 CIRCULAR CONNECTOR FEMALE 90°.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **8** : 8POLES. **12** : 12POLES.

MANIFOLD CABLE TYPE

2 EXITS:	**B2**	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	4	ø7mm	-20°C / +80°C
3 EXITS:	**C2**	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	5	ø8.3mm	-20°C / +80°C
4-5-6 EXITS:	**8B**	PVC/PVC	CEI2022	Black	0.34mm²	8	ø8.3mm	-20°C / +80°C
7-8 EXITS:	**4P**	PUR/TPO	ULstyle 20549	Black	0.34mm² 0.75mm²	8 3	ø8.8mm	-25°C / +80°C
9-10-11-12-13-14-15-16 EXITS:	**8P**	PUR/TPO	ULstyle 20549	Black	0.34mm² 0.75mm²	16 3	ø10.6mm	-25°C / +80°C

CABLE LENGTH
1Z : 1m **A** : +10cm
2Z : 2m **B** : +20cm
3Z : 3m **C** : +30cm
... ...
I : +90cm

EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

SERIES
- : FREE CABLE.
A: M12 MALE 180°.
B: M12 MALE 90°.
C: M12 FEMALE 180°.
D: M12 FEMALE 90°.
E: M8 MALE 180°.
F: M8 MALE 90°.
G: M8 FEMALE 180°.
H: M8 FEMALE 90°.
I: M8 FEMALE 180° TOTALLY SHIELDED
J: M12 MALE 180° LED PNP.
K: M12 MALE 90° LED PNP
L: M8 MALE 180° TOTALLY SHIELDED
M: 7/8" MALE 180°.
N: 7/8" FEMALE 180°.
O: M12 FEMALE 180° LED PNP.
P: M12 FEMALE 90° LED PNP.
Q: M12 MALE 180° LED NPN.
R: M12 MALE 90° LED NPN.
S: M12 FEMALE 180° LED NPN.
T: M12 FEMALE 90° led NPN.
U: M8 MALE 180° LED PNP.
V: M8 MALE 90° LED PNP.
W: M8 FEMALE 180° LED PNP.
X: M8 FEMALE 90° LED PNP.
Y: M8 MALE 180° LED NPN.
Z: M8 MALE 90° LED NPN.
0: M12 MALE 90° TOTALLY SHIELDED.
1: DEUTSCH MALE 180°.
2: DEUTSCH FEMALE 180°.
3: DEUTSCH MALE 180° LED+DIODE.
4: DEUTSCH FEMALE 180° LED+DIODE.
5: DEUTSCH MALE 180° LED+TRANSIENT.
6: DEUTSCH FEMALE 180° LED+TRANSIENT.
7: M12 MALE 180° TOTALLY SHIELDED.
8: M12 FEMALE 180° TOTALLY SHIELDED.
9: M12 FEMALE 90° TOTALLY SHIELDED.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **8** : 8POLES. **12** : 12POLES.

CABLE LENGTH SPLITTER-CONNECTORS
NO DIGIT: 200mm. **350:** 350mm. **...** **1000:** 1000mm. ETC.

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO. **##**: CUSTOMIZED VARIABLES.

GENERAL FEATURES:

Conductor cross section :
0.34(22AWG) ... 1.50mm²(16AWG).

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
CG1series: Max. 0.5 N * m.

Type of terminations :
To solder.

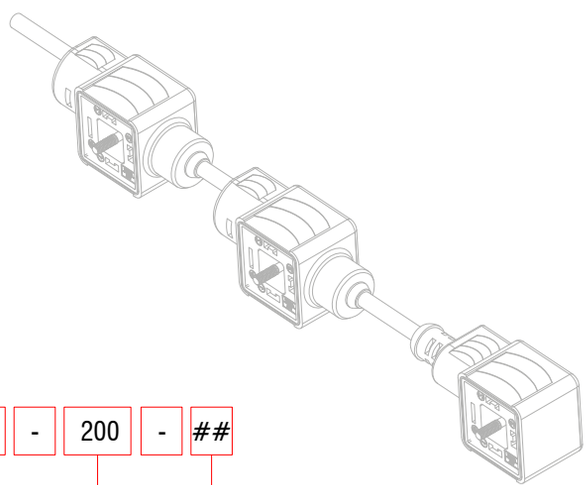
Contact material and treatment :
Brass + Silver plated.

Housing material :
Polypropylene.

Internal core material :
PA66-V2.

Protection class :
IP67

Operating temperature :
-40°C +90°C with NBR gasket.
-40°C +125°C with Silicone gasket.



CGD	N	2	2	00	0	C	B1	2	-	200	-	##

SERIES/EXITS
CGD: N°2 EN175301-803 connector form A (18mm).
CG13: N°3 EN175301-803 connector form A (18mm).
CG14: N°4 EN175301-803 connector form A (18mm).
...
CG16: N°6 EN175301-803 connector form A (18mm.)

COLOUR
N : BLACK (STANDARD).

DIN IN LINE

POLES No.
2 : 2POLES + EARTH. **3** : 3POLES + EARTH.

CIRCUIT TYPE
SEE CIRCUITS PAGE.

VOLTAGE
0 : 250V / 300V. **1** : 24V. **2** : 115V. **3** : 230V. **4** : 12V. **5** : 48V.

EARTH POSITION
A : H.6. **B** : H.12. **C** : DOUBLE H.6-12. **D** : H.3. **E** : H.9. **F** : DOUBLE H. 3-9.

MANIFOLD CABLE TYPE

2 EXITS:	**B1**	PVC/PVC	IEC332-1 H05VVF	Black	0.5mm²	4	ø6mm	-20°C / +80°C
3 EXITS:	**B1**	PVC/PVC	CEI2022IIOR	Black	0.5mm²	5	ø6mm	-20°C / +80°C
4-5-6 EXITS:	**B-8**	PVC/PVC	CEI2022	Black	0.34mm²	6	ø6.5mm	-20°C / +80°C

CABLE LENGTH
1 : 1m **A** : +10cm
2 : 2m **B** : +20cm
3 : 3m **C** : +30cm
... ...
I : +90cm

EXAMPLE: "...2C" = 2.3m
"...2F" = 2.6m"
"...2I" = 2.9m"

- NO DIGIT : DUAL DIN WITH M12 EXIT MALE CONNECTOR 3P. (WITHOUT MANIFOLD CABLE).

CABLE LENGTH CONNECTOR-CONNECTOR
200: 200mm **(STANDARD) 350:** 350mm **... 1000:** 1000mm ETC.

SOME VARIABLES
L : PROFILED GASKET. **SS** : STAINLESS STEEL SCREW. **Y** : WITHOUT H.T.P.LOGO.
M12 : DUAL DIN WITH M12 EXIT MALE CONNECTOR 3P. (WITHOUT MANIFOLD CABLE).
##: CUSTOMIZED VARIABLES.

SPECIAL CONNECTORS

GENERAL FEATURES:

Conductor cross section :
0.34(22AWG) ... 1.50mm²(16AWG).

Fixing system :
Central fixing screw.

Max. screw torque IEC60947-1
(Central fixing screw) **:**
CG1E-CM1E-CM2E series: Max. 0.5 N * m.

Type of terminations :
To solder.

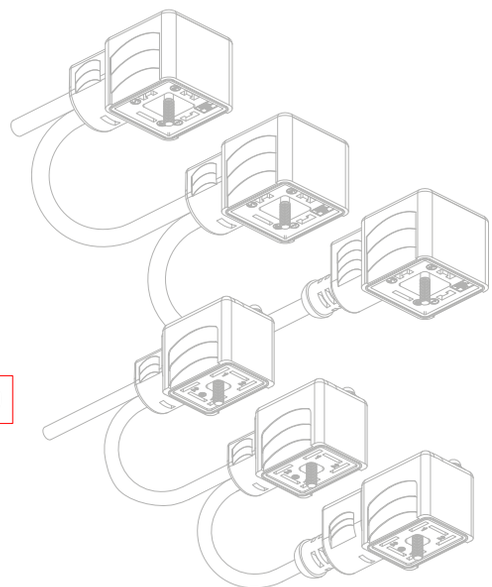
Contact material and treatment :
Brass + Silver plated.

Housing material :
Polypropylene.

Internal core material :
PA66-V2.

Protection class :
IP67.

Operating temperature :
-40°C +90°C with NBR gasket.
-40°C +125°C with Silicone gasket.



CG1E	2	N	0	2	00	0	C	B1	2	-	200

SERIES
CG1E : EN175301-803 form A (18mm) IN CHAIN.
CM1E : INDUSTRIAL form B (11mm) IN CHAIN.
CM2E : EN175301-803 form B (10mm)IN CHAIN.

EXITS
2 : 2 EXITS. **3** : 3 EXITS. **4** : 4 EXITS.
5 : 5 EXITS. **6** : 6 EXITS.

COLOUR
N : BLACK (STANDARD).

CABLE EXIT
0 : MOULDED CABLE

POLES No.
2 : 2POLES + EARTH. **3** : 3POLES + EARTH.

CIRCUIT TYPE
SEE CIRCUITS PAGE.

VOLTAGE
0 : 250V / 300V. **1** : 24V. **2** : 115V. **3** : 230V. **4** : 12V. **5** : 48V.

EARTH POSITION
A : H.6. **B** : H.12. **C** : DOUBLE H.6-12. **D** : H.3. **E** : H.9. **F** : DOUBLE H. 3-9.

MANIFOLD CABLE TYPE

2 EXITS:	**B1**	PVC/PVC	IEC332-1 H05VVF	Black	0.5mm²	4	ø6mm	-20°C / +80°C
3 EXITS:	**B1**	PVC/PVC	CEI2022IIOR	Black	0.5mm²	5	ø6mm	-20°C / +80°C
4-5-6 EXITS:	**B-8**	PVC/PVC	CEI2022	Black	0.34mm²	6	ø6.5mm	-20°C / +80°C

CABLE LENGTH
1 : 1m **A** : +10cm
2 : 2m **B** : +20cm
3 : 3m **C** : +30cm
... ...
I : +90cm

EXAMPLE: "...2C" = 2.3m
"...2F" = 2.6m"
"...2I" = 2.9m"

CABLE LENGTH CONNECTOR-CONNECTOR
200: 200mm **(STANDARD). 350:** 350mm **... 1000:** 1000mm. ETC.

SOME VARIABLES
L : PROFILED GASKET. **SS** : STAINLESS STEEL SCREW. **Y** : WITHOUT H.T.P.LOGO. **##**: CUSTOMIZED VARIABLES.

GENERAL FEATURES:

Conductor cross section :
M8: 0.25(24AWG) ... 0.5mm²(20AWG).
M12: 0.25(24AWG) ... 0.75mm²(19AWG).
DIN: 0.5mm²(20AWG).. 0.75mm²(19AWG).

M12 Y Fixing system :
M12 coupling nut.

Max. screw torque IEC60947-1
M8 coupling nut torque 0.2 N * m.
M12 coupling nut torque 0.4 N * m.
(Central fixing screw) :
CG1-CM1-CM2-CP2 series: Max. 0.5 N * m.
CP1 series: Max. 0.4 N * m.

M12 Y- Contact material and treatment :
Brass + Gold flash.

M12 Y - Housing material :
Polypropylene.

M12 Y - Internal core material :
PA66-V2.

M12 Y - Coupling nut material :
Brass+Nickel plated.
Stainless steel AISI304(upon request).

Protection class :
IP67.

Operating temperature :
-25°C +90°C.

Circuit type :
Parallel.
Shunting.

A	4	B	1Z	-	C	3	-	C	3	-	C	3	-	##

SERIES
A: M12 circular connector male 180°.
C: M12 circular connector female 180°.

NUMBERS OF POLES
3 : 3POLES. **4** : 4POLES. **8** : 8POLES. **12** : 12POLES.

CABLE TYPE
- : FREE CABLE
A: PVC/PVC CEI2022 3X0.25mm² BLACK.
B: PVC/PVC CEI2022 3X0.34mm² BLACK.
N: PVC/PVC CEI2022 3X0.25mm² GREY RAL7032.
L: PVC/PVC CEI2022 3X0.34mm² GREY RAL7032.
C: PUR/PUR 3X0.25mm² BLACK.
D: PUR/PUR 3X0.34mm² BLACK.
01: PVC/PVC IEC332-1 H03VVF 3G0.5mm² BLACK.
04: PVC/PVC CEI2022IIOR 3G0.5mm² GREY RAL7032.
09: PUR/PUR 3G0.75mm² BLACK.

CABLE LENGTH
1Z : 1m **A** : +10cm
2Z : 2m **B** : +20cm
3Z : 3m **C** : +30cm
... ...
I : +90cm

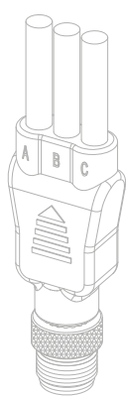
EXAMPLE: "...1C" = 1.3m
"...1F" = 1.6m"
"...2A" = 2.1m"

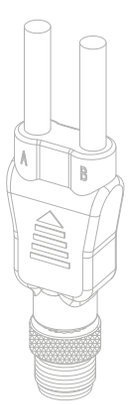
SERIES
- : FREE CABLE.
A: M12 MALE 180°.
B: M12 MALE 90°.
C: M12 FEMALE 180°.
D: M12 FEMALE 90°.
E: M8 MALE 180°.
F: M8 MALE 90°.
G: M8 FEMALE 180°.
H: M8 FEMALE 90°.
I: M8 FEMALE 180° TOTALLY SHIELDED.
J: M12 MALE 180° LED PNP.
K: M12 MALE 90° LED PNP.
L: M8 MALE 180° TOTALLY SHIELDED.
O: M12 FEMALE 180° LED PNP.
P: M12 FEMALE 90° LED PNP.
Q: M12 MALE 180° LED NPN.
R: M12 MALE 90° LED NPN.
S: M12 FEMALE 180° LED NPN.
T: M12 FEMALE 90° LED NPN.
U: M8 MALE 180° LED PNP.
V: M8 MALE 90° LED PNP.
W: M8 FEMALE 180° LED PNP.
X: M8 FEMALE 90° LED PNP.
Y: M8 MALE 180° LED NPN.
Z: M8 MALE 90° LED NPN.
0: MICRO INDUSTRIAL form C (9.4mm) LED+VDR.
1: EN175301-803 form A (18mm).
2: EN175301-803 form A (18mm) LED+VDR.
3: INDUSTRIAL form B (11mm).
4: INDUSTRIAL form B (11mm) LED+VDR.
5: EN175301-803 form B (10mm).
6: EN175301-803 form B (10mm) LED+VDR.
7: EN175301-803 form C (8mm).
8: EN175301-803 form C (8mm) LED+VDR.
9: MICRO INDUSTRIAL form C (9.4mm).

NUMBERS OF POLES (M8-M12)
3 : 3POLES. **4** : 4POLES. **8** : 8POLES. **12** : 12POLES.

RATED VOLTAGE (DIN conn.)
A : 24V. **B** : 115V. **C** : 230V. **D** : 12V. E: 48V.

SOME VARIABLES
Y : WITHOUT H.T.P.LOGO. **##**: CUSTOMIZED VARIABLES.





SPECIAL CONNECTORS

















WE CAN PRODUCE CUSTOMIZED PRODUCTS IN CONFORMITY WITH CUSTOMER'S REQUIREMENTS; MULTIPLE CONNECTORS CAN BE RANGE FROM 2 UP TO 16 CONNECTORS.

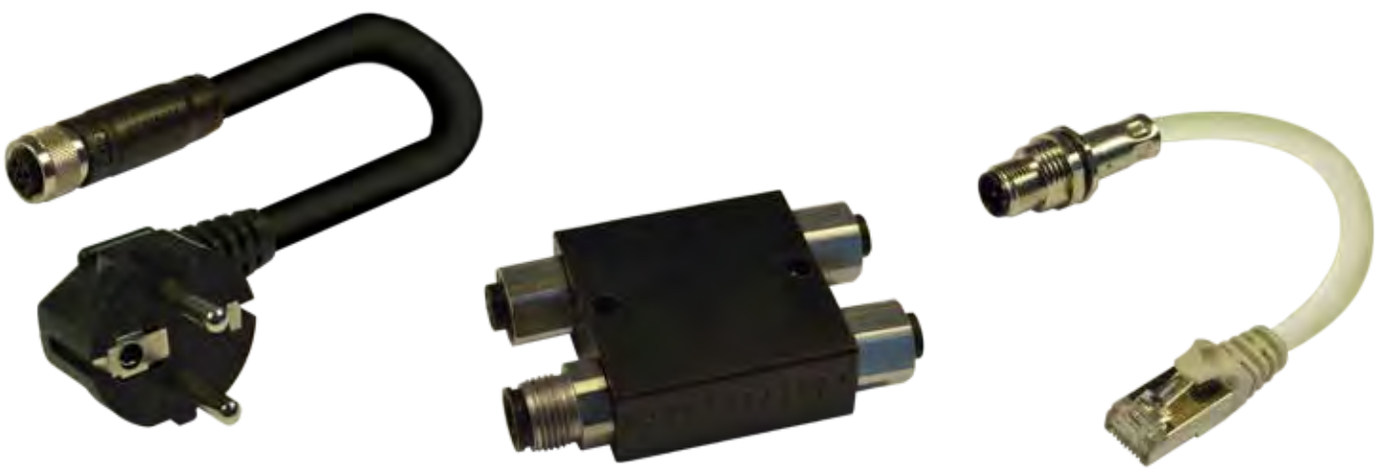
SPECIAL CONNECTORS



SPECIAL CONNECTORS



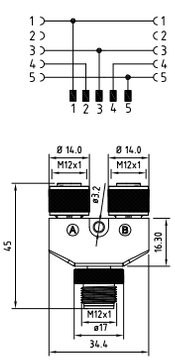
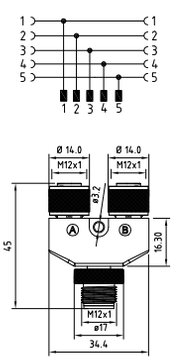
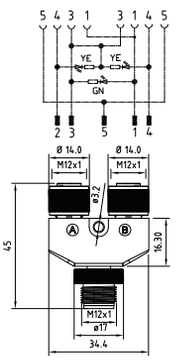
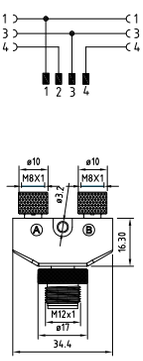




SPECIAL CONNECTORS

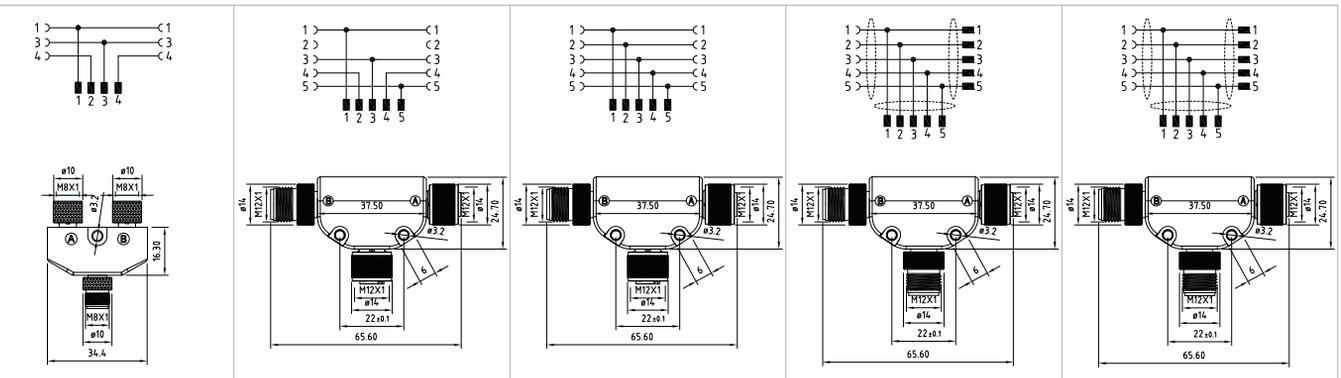





Technical drawing					
Product description					
Connector type		Y splitter connector	Y splitter connector	Y splitter connector	Y splitter connector
Conforms to		-	-	-	-
Construction type		M12 A -Coding	M12 A -Coding	M12 A -Coding	M12 A -Coding / M8 A-coding
Part number		**12T34000**	**12T35000**	**12T45000**	**12T308F**
Description		M12 Y splitter connector with SHUNTING circuit	M12 Y splitter connector with PARALLEL circuit	M12 Y splitter connector with 3 LED, PNP circuit	M12 Y splitter connector with N.2 M8 conn. with SHUNTING circuit
Contacts type	Side A	M12 Female	M12 Female	M12 Female	M8 Female
	Side B	M12 Female	M12 Female	M12 Female	M8 Female
	INPUT side	M12 Male	M12 Male	M12 Male	M12 Male
Number of contacts	Side A	4poles	5poles	4poles	3poles
	Side B	4poles	5poles	4poles	3poles
	INPUT side	5poles	5poles	5poles	4poles
Housing colour		Black	Black	Transparent	Black
Technical data					
Housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Contacts material		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type		Knurl round	Knurl round	Knurl round	Knurl round
Coupling nut material		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internal core material		PA66-V2	PA66-V2	PA66-V2	PA66-V2
M12 coupling nut torque		0.4 N*m	0.4 N*m	0.4 N*m	M12: 0.4 N*m / M8: 0.2N*m
Circuit type		Shunting	Parallel	3 LED PNP	Shunting
Rated voltage		60V AC/DC	60V AC/DC	24V AC/DC	60V AC/DC
Rated current		4A	4A	4A	3A
O-ring material		NBR	NBR	NBR	NBR
Fixing type		no. 1 fixing hole	no. 1 fixing hole	no. 1 fixing hole	no. 1 fixing hole
Fixing hole diameter		ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging					
Qty/Bag		1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options					
See accessories section					
Notes:					

SPECIAL CONNECTORS

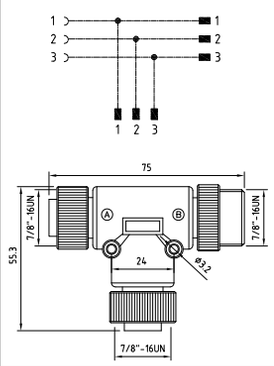
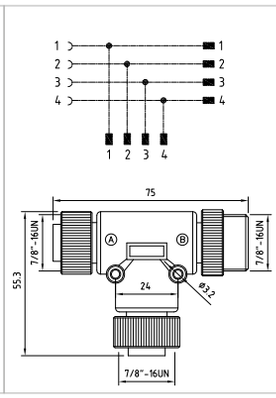
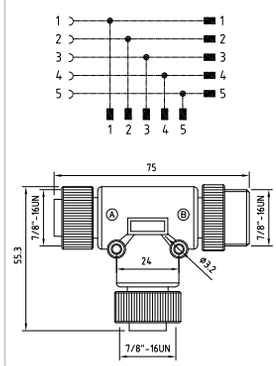
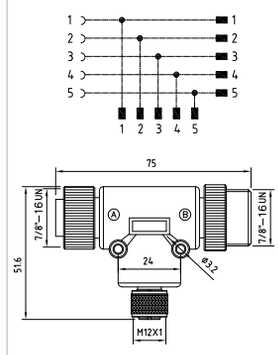




Product description				
Y splitter connector	TT splitter connector	TT splitter connector	TT splitter connector	TT splitter connector
-	-	-	-	-
M8 A -Coding / M8 A-coding	M12 A -Coding	M12 A -Coding	M12 A -Coding	M12 B -Coding
08T34000	**12TT34000**	**12TT35000**	**12TTJ35000-360**	**B-12TTJ35000-360**
M8 Y splitter connector with SHUNTING circuit	M12 TT splitter connector with SHUNTING circuit	M12 TT splitter connector with PARALLEL circuit	M12 TT splitter connector TOTALLY SHIELDED with PARALLEL circuit.	M12 TT splitter connector TOTALLY SHIELDED with PARALLEL circuit.
M8 Female	M12 Female	M12 Female	M12 Male	M12 Male
M8 Female	M12 Male	M12 Male	M12 Female	M12 Female
M8 Male	M12 Female	M12 Female	M12 Male	M12 Male
3poles	4poles	5poles	5poles	5poles
3poles	4poles	5poles	5poles	5poles
4poles	5poles	5poles	5poles	5poles
Black	Black	Black	Black	Black
Technical data				
Polypropylene	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Knurl round	Knurl round	Knurl round	Knurl round	Knurl round
Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
PA66-V2	PA66-V2	PA66-V2	PA66-V2	PA66-V2
0.2 N*m	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Shunting	Shunting	Parallel	Parallel	Parallel
60V AC/DC	60V AC/DC	60V AC/DC	60V AC/DC	60V AC/DC
4A	4A	4A	4A	4A
NBR	NBR	NBR	NBR	NBR
no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes
ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging				
	1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options				
See accessories section				
Notes:				

SPECIAL CONNECTORS

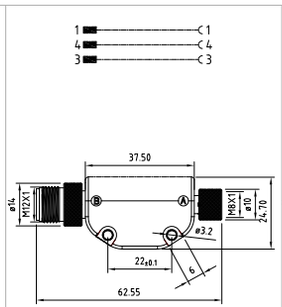
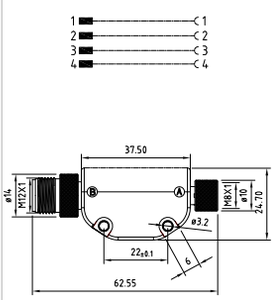
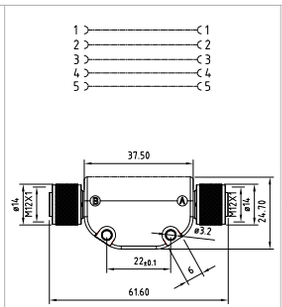
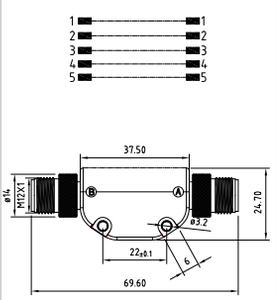


Technical drawing					
Product description					
Connector type		T splitter connector	T splitter connector	T splitter connector	T splitter connector
Conforms to		-	-	-	-
Construction type		7/8"-16 UN	7/8"-16 UN	7/8"-16 UN	7/8"-16 UN
Part number		**78T73000**	**78T74000**	**78T75000**	**78T76000**
Description		T splitter connector 7/8"-16 UN with PARALLEL circuit	T splitter connector 7/8"-16 UN with PARALLEL circuit	T splitter connector 7/8"-16 UN with PARALLEL circuit	T splitter connector 7/8"-16 UN with M12,PARALLEL circuit
Contacts type	Side A	7/8" Female	7/8" Female	7/8" Female	7/8" Female
	Side B	7/8" Male	7/8" Male	7/8" Male	7/8" Male
	INPUT side	7/8" Female	7/8" Female	7/8" Female	M12 Female
Number of contacts	Side A	3poles	4poles	5poles	5poles
	Side B	3poles	4poles	5poles	5poles
	INPUT side	3poles	4poles	5poles	5poles
Housing colour		Black	Black	Black	Black
Technical data					
Housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Contacts material		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type		Knurl round	Knurl round	Knurl round	Knurl round
Coupling nut material		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internal core material		PVC	PVC	PVC	7/8": PVC ; M12: PA66-V2
7/8" coupling nut torque		0.8 N*m	0.8 N*m	0.8 N*m	7/8":0.8 N*m ; M12: 0.4n*m
Circuit type		Parallel	Parallel	Parallel	Parallel
Rated voltage		250V AC / DC	250V AC / DC	250V AC / DC	30V AC / 36V DC
Rated current		12A	9A	9A	4A
O-ring material		-	-	-	NBR
Fixing type		no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes
Fixing hole diameter		ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging					
Qty/Bag		1 pc / bag	1 pc / bag	1 pc / bag	1 pc / bag
Other accessories options					
See accessories section					
Notes:					

SPECIAL CONNECTORS



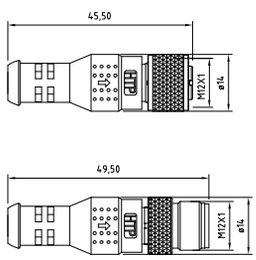
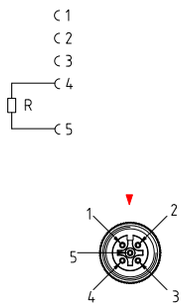
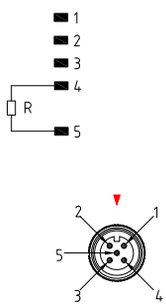
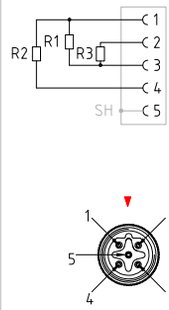
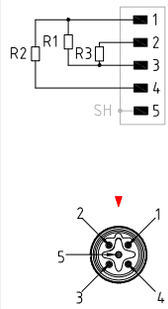



Technical drawing					
Product description					
Connector type		Adapter connector	Adapter connector	Adapter connector	Adapter connector
Conforms to		-	-	-	-
Construction type		M12 A -Coding	M12 A -Coding	M12 A -Coding	M12 A -Coding
Part number		**08FD3-12MD3**	**08FD4-12MD4**	**12FD5-12FD5**	**12MD5-12MD5**
Description		M8-M12 Adapter connector Female-Male	M8-M12 Adapter connector Female-Male	M12-M12 Adapter connector Female-Female	M12-M12 Adapter connector Male-Male
Contacts type	Side A	M8 Female	M8 Female	M12 Female	M12 Male
	Side B	M12 Male	M12 Male	M12 Female	M12 Male
Number of contacts	Side A	3poles	4poles	5poles	5poles
	Side B	3poles	4poles	5poles	5poles
Housing colour		Black	Black	Black	Black
Technical data					
Housing material		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Contacts material		Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type		Knurl round	Knurl round	Knurl round	Knurl round
Coupling nut material		Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
Internal core material		PA66-V2	PA66-V2	PA66-V2	PA66-V2
Coupling nut torque		M12: 0.4 N*m M8: 0.2 N*m	M12: 0.4 N*m M8: 0.2 N*m	0.4 N*m	0.4 N*m
Circuit type		Parallel	Parallel	Parallel	Parallel
Rated voltage		50V AC/60V DC	50V AC/60V DC	60V AC/DC	60V AC/DC
Rated current		3A	3A	4A	4A
O-ring material		NBR	NBR	NBR	NBR
Fixing type		no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes	no. 2 fixing holes
Fixing hole diameter		ø 3.20mm	ø 3.20mm	ø 3.20mm	ø 3.20mm
Packaging					
Qty/Bag		1pc/Bag	1pc/Bag	1pc/Bag	1pc/Bag
Other accessories options					
See accessories section					
Notes:					

SPECIAL CONNECTORS






Technical drawing					
Product description					
Connector type	Circular terminator connector	Circular terminator connector	Circular terminator connector	Circular terminator connector
Conforms to	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101	IEC 61076-2-101
Construction type	M12 A -Coding	M12 A -Coding	M12 B -Coding	M12 B -Coding
Description	Terminator circular connector M12 series	Terminator circular connector M12 series	Terminator circular connector M12 series	Terminator circular connector M12 series
Part number	**12FD5000-TERM**	**12MD5000-TERM**	**B-12FJ5000-TERM**	**B-12MJ5000-TERM**
Housing type	Straight 180°	Straight 180°	Straight 180°	Straight 180°
Cable gland	-	-	-	-
Contacts type	Female	Male	Female	Male
Number of contacts	5poles	5poles	5poles	5poles
Housing colour	Black	Black	Black	Black
Technical data				
Type of termination	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires	Contacts to crimp wires
Contacts material	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash	Brass+Gold flash
Coupling nut type	Knurl round	Knurl round	Knurl round	Knurl round
M12 coupling nut material	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated	Brass+Nickel plated
M12 coupling nut torque	0.4 N*m	0.4 N*m	0.4 N*m	0.4 N*m
Rated voltage	60V AC/DC	60V AC/DC	60V AC/DC	60V AC/DC
Rated current	4A	4A	4A	4A
Resistance value	120Ω	120Ω	R1: 220Ω R2: 330Ω R3: 330Ω	R1: 220Ω R2: 330Ω R3: 330Ω
O-ring material	NBR	-	NBR	-
Packaging				
Qty/Bag	100 pcs / bag	100 pcs / bag	100 pcs / bag	100 pcs / bag
Other accessories options				
See accessories section				
Notes:				



INDUSTRIAL CONNECTORS

GENERAL FEATURES FIELD ATTACHABLE CONNECTORS:

Cable Gland :
PG7 : ø CABLE 3.5 - 6mm

Conductor cross section :
0.14(26AWG)...0.50mm²(20AWG).

Max. screw torque IEC60947-1
(Central fixing screw) :
Max. 0.5 N * m.

Type of terminations :
Solder wires.

Contact material and treatment :
Brass + tin plated.

Housing material :
PA66 UL94-V2

Internal core material :
PA66 UL94-V2

Protection class :
IP 65 (assembled).

Operating temperature :
-40°C +90°C

Nominal current :
10A

P3	N	Z	4	00	0	-	##

SERIES
P3 : INDUSTRIAL CONNECTOR P3 SERIES
P4 : INDUSTRIAL CONNECTOR P4 SERIES

COLOUR
N : BLACK

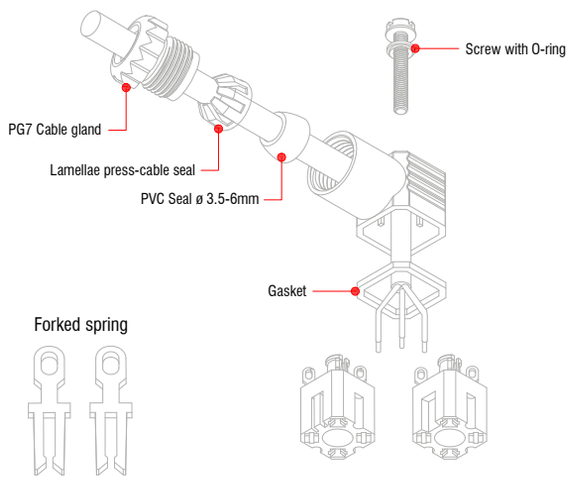
CABLE GLAND
Z : PG7 (form C/MICRO INDUSTRIAL)

NUMBERS OF POLES
4 : 3POLES + EARTH (P3 CONNECTOR) / 4POLES(P4 CONNECTOR)

CIRCUIT TYPE
00 : WITHOUT ELECTRONIC

VOLTAGE
0 : 50V AC / 120V DC (P3 CONNECTORS)
250V AC / DC (P4 CONNECTORS)

SOME VARIABLES
Y : WITHOUT ELECTRONIC



GENERAL FEATURES BASIS:

BP3	N	Z	4	00	0	-	##

SERIES
BP3 : INDUSTRIAL BASE P3 SERIES
BP4 : INDUSTRIAL BASE P4 SERIES

COLOUR
N : BLACK

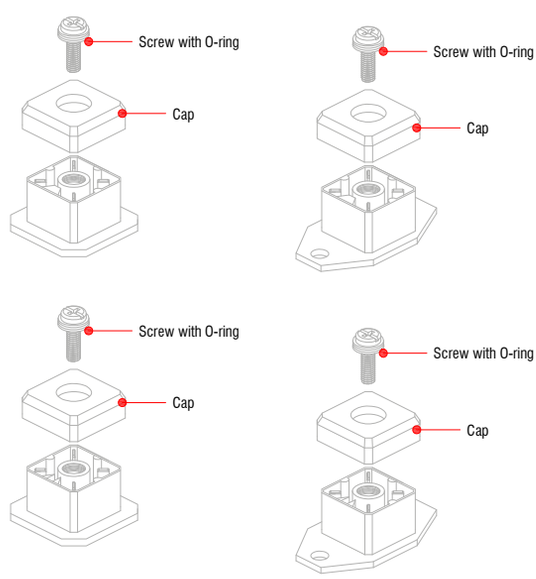
CABLE GLAND
Z : PG7 (form C/MICRO INDUSTRIAL)

NUMBERS OF POLES
4 : 3POLES + EARTH (BP3 BASES) / 4POLES (BP4 BASES)

CIRCUIT TYPE
00 : WITHOUT ELECTRONIC

VOLTAGE
0 : 50V AC / 120V DC (BP3 BASES)
250V AC / DC (BP4 BASES)

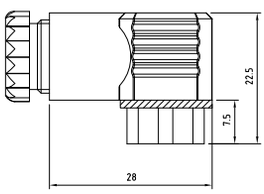
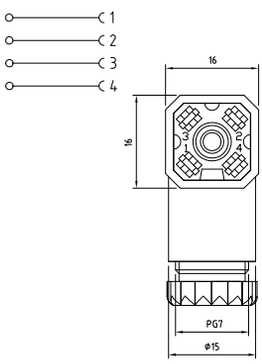
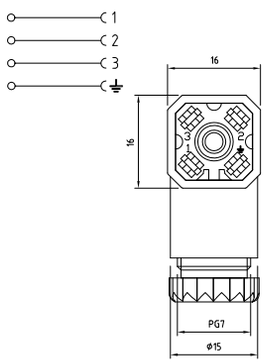
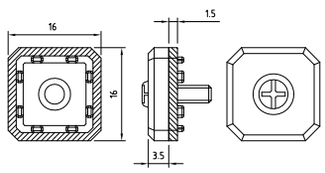
SOME VARIABLES
ASS : BASE ASSEMBLED WITH CAP



INDUSTRIAL CONNECTORS



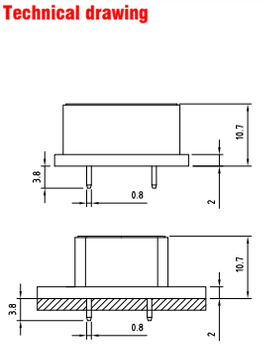
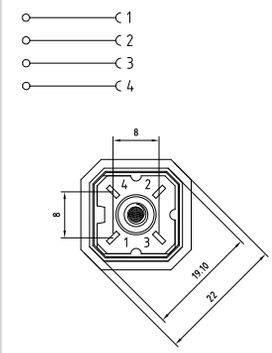
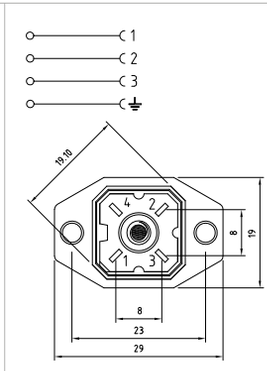
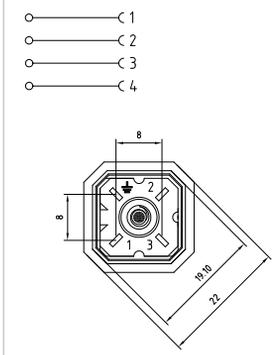
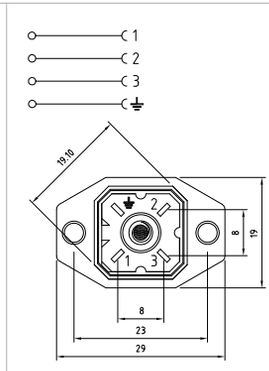


Technical drawing				
Product description				
Connector type	Industrial connectors	Industrial connectors	Accessories
Conforms to	IEC 61984	IEC 61984	-
Construction type	-	-	-
Part number	**P3NZ4000**	**P4NZ4000**	**BP3NZ4000-CAP**
Description	Industrial connector 16X16mm P3 series complete with gasket and fixing screw. Connector without electronic.	Industrial connector 16X16mm P4 series complete with gasket and fixing screw. Connector without electronic.	Cap for basis BP3 and BP4 series complete with central fixing screw.
Number of contacts	4poles	3poles + P.E.	
Housing colour	Black	Black	Black
Height housing	22.5mm	22.5mm	
Cable gland	PG7	PG7	
Gasket type	NBR gasket	NBR gasket	NBR gasket
Technical data			
Type of termination	Solder contacts	Solder contacts	
Contact screw torque	-	-	
Rated voltage	50V AC / 120 DC	250V AC/DC	
Circuit type	Without electronic	Without electronic	
Led colour	-	-	
Suitable cable	ø cable 3.5-6mm	ø cable 3.5-6mm	
Central fixing screw	M3 L=23mm	M3 L=23mm	
Central fixing screw material	Stainless steel AISI304	Stainless steel AISI304	Stainless steel AISI304
Central screw torque	0.5 N*m	0.5 N*m	
Packaging			
Qty/Box	50pcs / bag	50pcs / bag	50pcs / bag
Other accessories options			
See accessories section			
Notes:			

INDUSTRIAL CONNECTORS

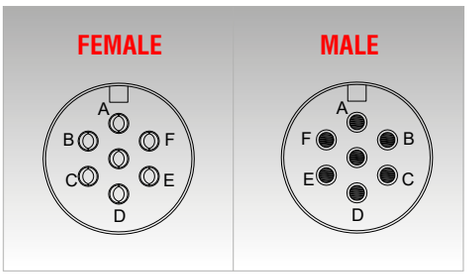





Technical drawing					
Product description					
Connector type	Industrial base	Industrial base	Industrial base	Industrial base
Conforms to	IEC 61984	IEC 61984	IEC 61984	IEC 61984
Construction type	-	-	-	-
Part number	**BP3N04000**	**BP3N04000-F**	**BP4N04000**	**BP4N04000-F**
Description	Industrial base 16X16mm BP3 series complete with flat gasket. Connector without electronic.	Industrial base 16X16mm BP3 series with flange,complete with flat gasket. Connector without electronic.	Industrial base 16X16mm BP4 series complete with flat gasket. Connector without electronic.	Industrial base 16X16mm BP4 series with flange,complete with flat gasket. Connector without electronic.
Number of contacts	4poles	4poles	3poles + P.E.	3poles + P.E.
Base colour	Black	Black	Black	Black
Gasket type	-	Flat NBR gasket	-	Flat NBR gasket
Technical data				
Type of termination	Contacts to solder PCB	Contacts to solder PCB	Contacts to solder PCB	Contacts to solder PCB
Rated voltage	50V AC / 120 DC	50V AC / 120 DC	250V AC/DC	250V AC/DC
Number of fixing holes	-	N°2		N°2
Diameter of fixing holes	-	ø3.2mm	-	ø3.2mm
Fixing holes distance	-	23mm	-	23mm
Central nut type	Closed	Closed	Closed	Closed
Packaging				
Qty/Box	400pcs / box	300pcs / box	400pcs / box	300pcs / box
Other accessories options				
See accessories section				
Notes:	**BP3N04000-ASS**: Base assembled with cup.	**BP3N04000-FASS**: Base assembled with cup.	**BP4N04000-ASS**: Base assembled with cup.	**BP3N04000-FASS**: Base assembled with cup.

GENERAL FEATURES FIELD ATTACHABLE CONNECTORS/ TO PANEL:

The technical data of the circular connectors series 15 is in conformity with EN175000.
Specific features of these connectors are solid construction and easy handling.
This series of connector is interchangeable with MIL-C-5015,shell size 14S connectors.
Mains fields of application are proportional valves and measurement,test and control.



Cable Gland :
PG11 : ø cable 4-8mm or
ø cable 6.5-9.5mm (field attachable).

Conductor cross section :
0.5mm²(20AWG)...1.5mm²(16AWG).

Type of terminations :
Solder wires.

Contact material and treatment :
Brass + gold flash.

Housing material :
PA66 UL94-V2 (field attachable).
Brass+Nickel plated (to panel).

Coupling nut material:
Brass+Nickel plated.

Internal core material :
PA66 UL94-V2.

Protection class :
IP65 (assembled).

Operating temperature :
-40°C +90°C.

Rated voltage:
~ 60V / ~ 75V.

Rated insulation voltage:
~ 150V.

Nominal current :
6A (0.5mm²).
9A (1.5mm²).

Overvoltage category IEC60664-1 :
III.

Pollution level IEC60664-1 :
3.

Contact resistance IEC 60512-2 :
≤ 5 mΩ.

Insulation class VDE 0110 1 / 89 :
Class C.

15	F	C	7	000

SERIES
15 : EN175000 CIRCULAR CONNECTOR.

GENDER
F : FEMALE. **M** : MALE.

HOUSING TYPE
C : STRAIGHT PLASTIC HOUSING 180°.
P : TO PANEL FRONTAL MOUNTIG.

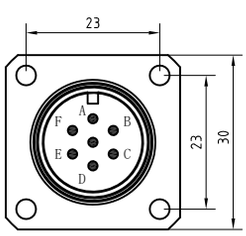
NUMBERS OF POLES
7 : 6POLES + EARTH.

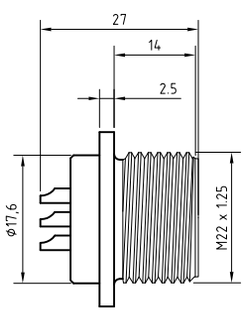
CABLE TYPE AND LENGTH
000 : WITHOUT CABLE.



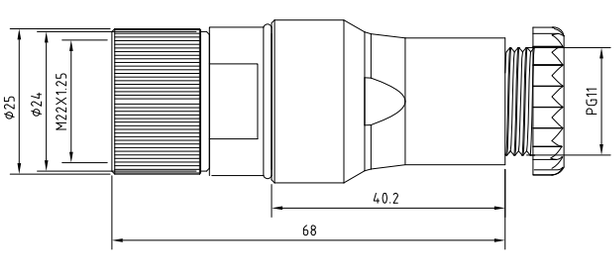


15MP7000





15FC7000



Notes:



INDUSTRIAL LIGHTING

• LED LIGHT TUBE:

LED - 12FD - T 1000 12MD

SERIES
LED : LED LAMP.

PLUG TYPE
12FD : M12 PLUG FEMALE.
NO DIGIT : WITH ONLY ONE M12 CONNECTION PLUG.

PROTECTION CLASS
G: IP67 (LED TUBE IN BOROSILICATE GLASS). **P:** IP54. **T:** IP67.

LED LAMP LENGTH
0250 : 0.25m. **0500** : 0.5m. **1000** : 1m. **2000** : 2m.

PLUG TYPE
12MD : M12 PLUG MALE.

IP 67

IP 54





Code	Lighting Lenght	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS	PACKAGING
LED-T0250-12MD	0.25m	24V DC	11 W	550 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-T0500-12MD	0.5m	24V DC	22 W	1100 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-T1000-12MD	1m	24V DC	44 W	2200 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-T2000-12MD	2m	24V DC	88 W	4400 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-12FD-T0250-12MD	0.25m	24V DC	11 W	550 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-12FD-T0500-12MD	0.5m	24V DC	22 W	1100 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-12FD-T1000-12MD	1m	24V DC	44 W	2200 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-12FD-T2000-12MD	2m	24V DC	88 W	4400 Lm	6000K Pure White	IP67	-25°C / +60°C	No.2	1piece / box

Code	Lighting Lenght	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS	PACKAGING
LED-P0250-12MD	0.25m	24V DC	9 W	450 Lm	4500K Pure White	IP54	-25°C / +60°C	No.2	1piece / box
LED-P0500-12MD	0.5m	24V DC	18 W	900 Lm	4500K Pure White	IP54	-25°C / +60°C	No.3	1piece / box
LED-P1000-12MD	1m	24V DC	36 W	1800 Lm	4500K Pure White	IP54	-25°C / +60°C	No.4	1piece / box
LED-P2000-12MD	2m	24V DC	72 W	3600 Lm	4500K Pure White	IP54	-25°C / +60°C	No.6	1piece / box
LED-12FD-P0250-12MD	0.25m	24V DC	9 W	450 Lm	4500K Pure White	IP54	-25°C / +60°C	No.2	1piece / box
LED-12FD-P0500-12MD	0.5m	24V DC	18 W	900 Lm	4500K Pure White	IP54	-25°C / +60°C	No.3	1piece / box
LED-12FD-P1000-12MD	1m	24V DC	36 W	1800 Lm	4500K Pure White	IP54	-25°C / +60°C	No.4	1piece / box
LED-12FD-P2000-12MD	2m	24V DC	72 W	3600 Lm	4500K Pure White	IP54	-25°C / +60°C	No.6	1piece / box

Code	Lighting Lenght	Rated Voltage	Rated Power	Luminous flux	Lighting colour	Protection class IP	Temperature range °C	No. of FIXING CLIPS	PACKAGING
LED-G0250-12MD	0.25m	24V DC	9 W	450 Lm	4500K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-G0500-12MD	0.5m	24V DC	18 W	900 Lm	4500K Pure White	IP67	-25°C / +60°C	No.3	1piece / box
LED-G1000-12MD	1m	24V DC	36 W	1800 Lm	4500K Pure White	IP67	-25°C / +60°C	No.4	1piece / box
LED-G2000-12MD	2m	24V DC	72 W	3600 Lm	4500K Pure White	IP67	-25°C / +60°C	No.6	1piece / box
LED-12FD-G0250-12MD	0.25m	24V DC	9 W	450 Lm	4500K Pure White	IP67	-25°C / +60°C	No.2	1piece / box
LED-12FD-G0500-12MD	0.5m	24V DC	18 W	900 Lm	4500K Pure White	IP67	-25°C / +60°C	No.3	1piece / box
LED-12FD-G1000-12MD	1m	24V DC	36 W	1800 Lm	4500K Pure White	IP67	-25°C / +60°C	No.4	1piece / box

• LED LIGHT TUBE WITH CABLE:

LED	-	C	1000	-	A1	2Z	-	230V

SERIES
LED : LED LAMP.

LED TYPE
C: WITH CABLE .

LED LAMP LENGTH
0250 : 0.25m. **0500** : 0.5m. **1000** : 1m.

CABLE TYPE
SEE CABLE CODIFICATION.

CABLE LENGTH
2Z : 2m.

RATED VOLTAGE
230V : 230V AC/DC.
NO DIGIT : 24V DC.

IP 40

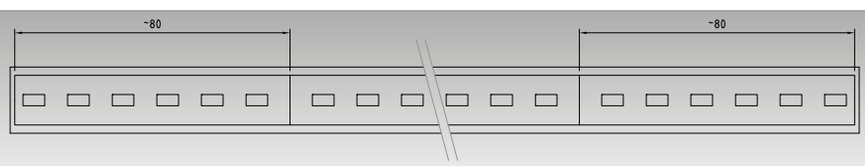


Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C
C-3-K6-IS	PUR/TPO	c UL us ULstyle 21576	Black	0.25mm²	3	ø 4.1mm	-30°C / +80°C
A1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm²	2	ø 5mm	-20°C / +80°C

TUBULAR LAMPS NOTE:

1. For the 24V DC LED lamps it is possible to supply tubular lamps with different lengths required by the customer; our tubular lamps are composed of 6 LED segments L ~80mm, therefore you can add or remove 6 LED segments.

2. For the 230V AC/DC LED lamps it is possibile to provide only tubular lamps with standard dimensions 250/500/1000mm



GENERAL FEATURES OF INDUSTRIAL CIRCULAR LIGHTING:

Lighting material :
PC Windows.
Alluminium housing.

Fixing system :
M30x1.5 Fixing nut.

Type of terminations :
M12 Male plug.

Max. screw torque IEC60947-1
M12 coupling nut torque 0.4 N*m

M12 material :
Coupling nut: Brass+Nickel plated.
Internal core: PA66.
Contacts: Brass + Gold flash.

Protection class :
IP 67.

Storage temperature :
-40°C +70°C
-20°C +50°C HUMIDITY 90%

Rated current:
12/18 V : 0.208A
24 V : 0.104A
30/36 V : 0.83A

Operating voltage:
ø 50mm : 12-30 V DC
ø 64mm : 16-36 V DC

Rated Power:
ø 50mm : 2.5 W
ø 64mm : 4.2 W

Light colour:
6000K Cool White.

Lumens(25°C):
ø 50mm : 200Lm
ø 64mm : 330Lm

Life Time:
After 50000 hour light decay less then 30%.

Packaging:
1piece / box.

LED - 50 - 12MD

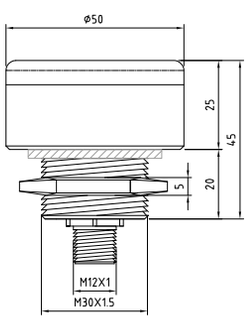
IP 67

SERIES
LED : LED LAMP.

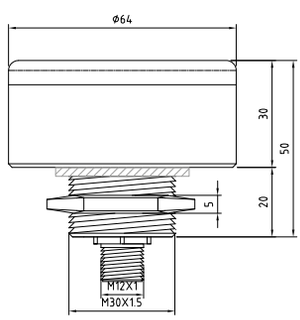
CIRCULAR LED DIAMETER
50 : ø50mm.
64 : ø64mm.

PLUG TYPE
12MD : M12 PLUG MALE.

LED-50-12MD



LED-64-12MD





LED-50-12MD



LED-64-12MD

ACCESSORIES:



Code	Description	Cable lenght	PACKAGING
LED-PS-EU-12FD	Feeder EUROPEAN connection + M12 female connetor	1.8m	1piece / box
LED-PS-USA-12FD	Feeder AMERICAN connection + M12 female connetor	1.8m	1piece / box



SENSORS (MAGNETIC PROXIMITY SWITCHES)

SENSORS (MAGNETIC PROXIMITY SWITCHES)

GENERAL FEATURES:

The magnetic sensor is a device that change its status with the magnetic field.
Basically it'fs used as proximity end-stroke on the pneumatic cylinders which have the piston holding a magnet.
Therefore, fastening the sensor, on its seat on the external part of the cylinder housing, it is possible to get the information relative to the position of the piston, by an electrical contact or a voltage output, depending on the kind sensor which can be REED switch or static (GMR magneto resistive chip) respectively.
The sensor cabled or quick connect are available.
Our custom service is accessible round-the-clock to meet specific requirements for which standard products are not satisfactory.

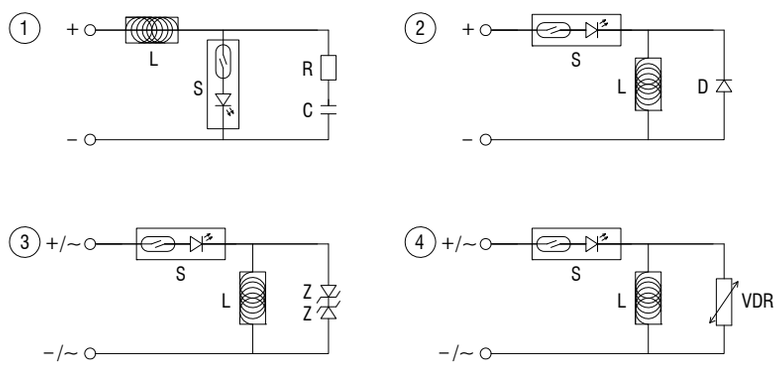
SENSOR CHOICING:

Sensor choicing The sensor is a switch indeed, connect in series with a load, it must be used respecting its own electrical limit.
The functioning principles are two.
REED SWITCH: an electrical contact is switched by a magnetic field.
It can be supplied with both Vac and Vdc voltage.
In presence of vibration it can give troubles. If several sensors must be connected in series, it is recommended to utilize the version "D" to avoid the voltage drop due to the led indicators.
ELECTRONIC: a chip magneto resistor (GMR) is a solid-state device, therefore static (long life) with a voltage output NPN (sink) or PNP (source).
It must be supplied only with a 30Vdc max voltage. No problem in case of vibrations.

PROTECTION CIRCUIT FOR SWITCHES:

The switching of inductive loads made by REED produces an high voltage peak during the drop-out. In order to prevent dielectric discharges or voltaic arcs, you have to introduce a protection circuit.
It can be:
- a RC circuit in parallel to the switch in case of V dc supply - (Picture n.1) -
- a diode in parallel to the load in case of V dc supply - (Picture n.2) -
- n.2 Zener diodes in parallel to the load with V ac / dc supply - (Picture n.3) -
- a varistor (VDR) in parallel to the load with V ac / dc supply - (Picture n.4) -

The switching of capacitive loads or the use of cables longer than 10 meters produces current peaks during the connection. For this reason you have to introduce a protection resistance near the switch on the brown wire. Please, pay attention in granting the minimum necessary current to the switch. (10 ÷ 20 mA)



HSL | 1 | C | 2 | 25 | - | G15

SERIES
HCB ; HSA ; HSL ; HSM ; HSS

CONNECTION
1 : 2 WIRES CABLE.
2 : 2 WIRES M8 SNAP CONNECTOR.
3 : 3 WIRES M8 SNAP CONNECTOR.
4 : 3 WIRES CABLE.
5 : 2 WIRES M12 SNAP CONNECTOR.
6 : 3 WIRES M12 SNAP CONNECTOR.
7 : 3 WIRES CABLE.
8 : 3 WIRES M8 AU SNAP CONNECTOR.
9 : 3 WIRES M12 AU SNAP CONNECTOR.

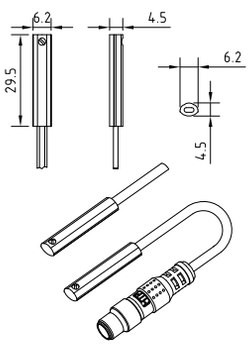
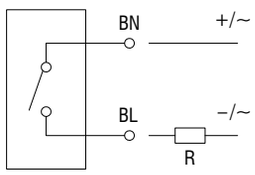
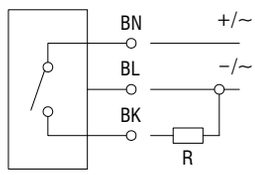
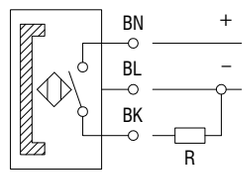
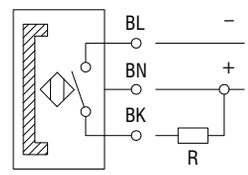
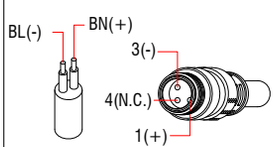
CIRCUIT TYPE
A : NO LED 2 WIRES - REED.
B : NO LED+VDR 2 WIRES - REED.
C : 2 WIRES - REED.
D : 3 WIRES - REED PNP.
F : NO LED 2 WIRES - NC REED.
G : NO LED+VDR 2 WIRES - NC REED.
H : 2 WIRES - NC REED.
M : MAGNETO-RESOSTIVE NPN.
N : MAGNETO-RESOSTIVE PNP.
P : NC MAGNETO-RESOSTIVE PNP.
L : NC MAGNETO-RESOSTIVE NPN.

VOLTAGE
2 : 24 V AC/DC.
3 : 110 V AC.
5 : 250 V AC.

CABLE LENGTH
NO DIGIT : WITHOUT CABLE.
03: EXTENSION WITH SENSOR + M8 L=0.3m.
25: SENSOR + M8/M12 CONNECTOR WITH CABLE L=2.5m.

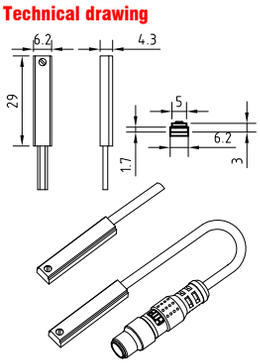
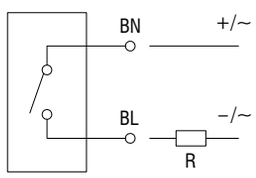
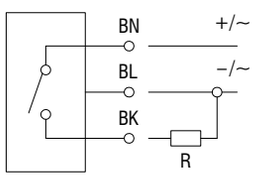
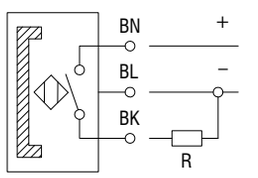
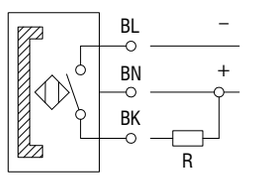
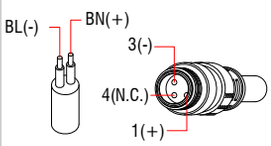
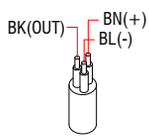
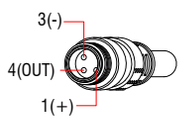
SENSORS (MAGNETIC PROXIMITY SWITCHES)



Technical drawing				
				
				
Product description				
Sensor type	2 wires REED NORMALLY OPEN	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN	Magneto-resistive NPN NORMALLY OPEN
Sensor Part Number:				
2.5m moulded cable	**HSA1C225-G15**	**HSA4D225-G15**	**HSA4N225-G15**	**HSA4M225-G15**
Extension Sensor+M8 conn. 0.3m	**HSA2C203-G15**	**HSA3D203-G15**	**HSA3N203-G15**	**HSA3M203-G15**
Technical data				
Power Supply Rated voltage	3 ÷ 30 V AC/DC	3 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC
Switching current	0.2 A	0.2 A	0.2 A	0.2 A
Power Rating	6 W	6 W	6 W	6 W
On voltage drop	< 3 V	//	< 1 V	< 1 V
Nominal operate point	20 ÷ 25 AT	20 ÷ 25 AT	40Gauss (34 ÷ 46 Gauss)	40Gauss (34 ÷ 46 Gauss)
ON-OFF differential	5 ÷ 10 AT	5 ÷ 10 AT	5 ÷ 15 Gauss	5 ÷ 15 Gauss
"ON" response time	0.5 ms	0.5 ms	0.8 µs	0.8 µs
"OFF" response time	0.1 ms	0.1 ms	0.3 µs	0.3 µs
Operating temperature	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C
Operating frequency	500 Hz	500 Hz	200 KHz	200 KHz
Life Time	10^7 imp	10^7 imp	10^9 imp	10^9 imp
Speed piston	10 m/s	10 m/s	10 m/s	10 m/s
Polarity - reversal protection	Yes	Yes	Yes	Yes
Protection class	IP 67	IP 67	IP 67	IP 67
Sensor material	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63
M8 connector material	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.
Cable jacket colour	Grey	Grey	Grey	Grey
No.Conductors / Section	2x0.14mm²	3x0.14mm²	3x0.14mm²	3x0.14mm²
Conductor colours	Brown(+); Blue(-);	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)
Cable length	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.
Packaging				
Qty/Box	1pc / Bag	1pc / Bag	1pc / Bag	1pc / Bag
Other accessories options				
-				
Notes:				

SENSORS (MAGNETIC PROXIMITY SWITCHES)

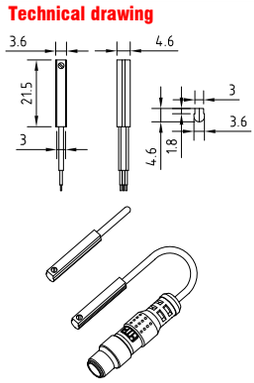
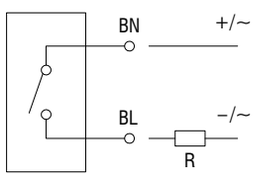
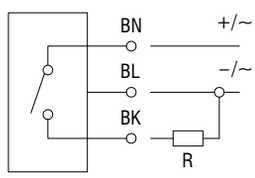
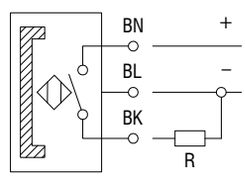
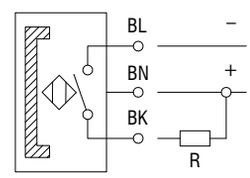


Technical drawing				
				
				

Product description				
Sensor type	2 wires REED NORMALLY OPEN	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN	Magneto-resistive NPN NORMALLY OPEN
Sensor Part Number:				
2.5m moulded cable	**HSL1C225-G15**	**HSL4D225-G15**	**HSL4N225-G15**	**HSL4M225-G15**
Extension Sensor+M8 conn. 0.3m	**HSL2C203-G15**	**HSL3D203-G15**	**HSL3N203-G15**	**HSL3M203-G15**
Technical data				
Power Supply Rated voltage	3 ÷ 30 V AC/DC	3 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC
Switching current	0.2 A	0.2 A	0.2 A	0.2 A
Power Rating	6 W	6 W	6 W	6 W
On voltage drop	< 3 V	//	< 1 V	< 1 V
Nominal operate point	20 ÷ 25 AT	20 ÷ 25 AT	40Gauss (34 ÷ 46 Gauss)	40Gauss (34 ÷ 46 Gauss)
ON-OFF differential	5 ÷ 10 AT	5 ÷ 10 AT	5 ÷ 15 Gauss	5 ÷ 15 Gauss
"ON" response time	0.5 ms	0.5 ms	0.8 µs	0.8 µs
"OFF" response time	0.1 ms	0.1 ms	0.3 µs	0.3 µs
Operating temperature	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C
Operating frequency	500 Hz	500 Hz	200 KHz	200 KHz
Life Time	10^7 imp	10^7 imp	10^9 imp	10^9 imp
Speed piston	10 m/s	10 m/s	10 m/s	10 m/s
Polarity - reversal protection	Yes	Yes	Yes	Yes
Protection class	IP 67	IP 67	IP 67	IP 67
Sensor material	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63
M8 connector material	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.
Cable jacket colour	Grey	Grey	Grey	Grey
No.Conductors / Section	2x0.14mm²	3x0.14mm²	3x0.14mm²	3x0.14mm²
Conductor colours	Brown(+); Blue(-)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)
Cable length	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.
Packaging				
Qty/Box	1pc / Bag	1pc / Bag	1pc / Bag	1pc / Bag
Other accessories options				
-				
Notes:				

SENSORS (MAGNETIC PROXIMITY SWITCHES)

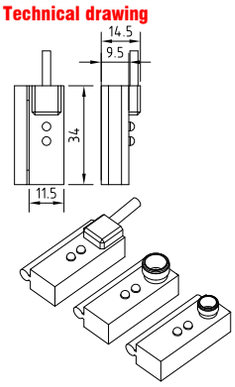


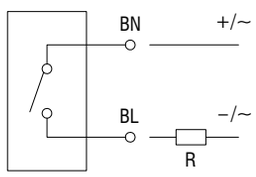
Technical drawing				
				
Product description				
Sensor type	2 wires REED NORMALLY OPEN	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN	Magneto-resistive NPN NORMALLY OPEN
Sensor Part Number:				
2.5m moulded cable	**HSS1C225-G15**	**HSS4D225-G15**	**HSS4N225-G15**	**HSS4M225-G15**
Extension Sensor+M8 conn. 0.3m	**HSS2C203-G15**	**HSS3D203-G15**	**HSS3N203-G15**	**HSS3M203-G15**
Technical data				
Power Supply Rated voltage	3 ÷ 30 V AC/DC	3 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC
Switching current	0.2 A	0.2 A	0.2 A	0.2 A
Power Rating	6 W	6 W	6 W	6 W
On voltage drop	< 3 V	//	< 1 V	< 1 V
Nominal operate point	20 ÷ 25 AT	20 ÷ 25 AT	28Gauss (21 ÷ 35 Gauss)	28Gauss (21 ÷ 35 Gauss)
ON-OFF differential	5 ÷ 10 AT	5 ÷ 10 AT	5 ÷ 15 Gauss	5 ÷ 15 Gauss
"ON" response time	0.5 ms	0.5 ms	0.8 µs	0.8 µs
"OFF" response time	0.1 ms	0.1 ms	0.3 µs	0.3 µs
Operating temperature	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C
Operating frequency	500 Hz	500 Hz	200 KHz	200 KHz
Life Time	10^7 imp	10^7 imp	10^9 imp	10^9 imp
Speed piston	10 m/s	10 m/s	10 m/s	10 m/s
Polarity - reversal protection	Yes	Yes	Yes	Yes
Protection class	IP 67	IP 67	IP 67	IP 67
Sensor material	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63
M8 connector material	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass	PUR gold plated brass
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.
Cable jacket colour	Grey	Grey	Grey	Grey
No.Conductors / Section	2x0.14mm²	3x0.14mm²	3x0.14mm²	3x0.14mm²
Conductor colours	Brown(+); Blue(-);	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)
Cable length	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.	2.5m or 0.3m+M8 conn.
Packaging				
Qty/Box	1pc / Bag	1pc / Bag	1pc / Bag	1pc / Bag
Other accessories options				
-				
Notes:				

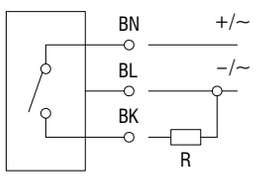
SENSORS (MAGNETIC PROXIMITY SWITCHES)

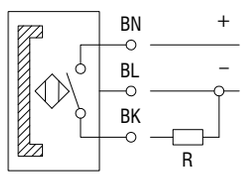


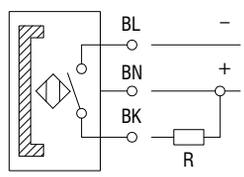
Technical drawing

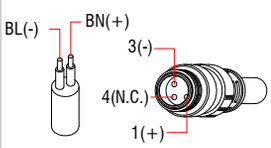


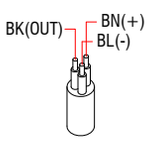


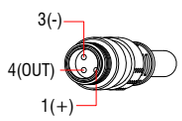








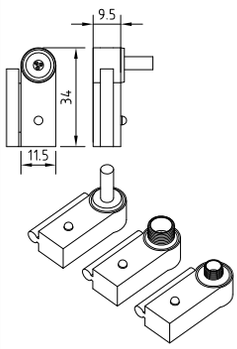
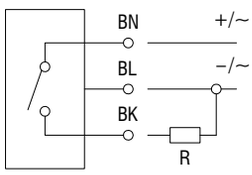
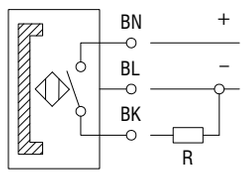
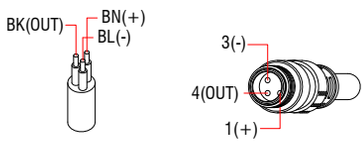




Product description				
Sensor type	2 wires REED NORMALLY OPEN	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN	Magneto-resistive NPN NORMALLY OPEN
Sensor Part Number:				
2.5m moulded cable	**HSM1C525-G15**	**HSM4D225-G15**	**HSM4N225-G15**	**HSM4M225-G15**
With M8 plug	**HSM2C5-G15**	**HSM3D2-G15**	**HSM3N2-G15**	**HSM3M2-G15**
With M12 plug	**HSM5C5-G15**	**HSM6D2-G15**	**HSM6N2-G15**	**HSM6M2-G15**
Technical data				
Power Supply Rated voltage	3 ÷ 250 V AC/DC	0 ÷ 24 V AC/DC	6 ÷ 30 V DC	6 ÷ 30 V DC
Switching current	1.5 A	2 A	0.25 A	0.25 A
Power Rating	10 W	10 W	6 W	6 W
On voltage drop	< 3 V	//	< 1 V	< 1 V
Nominal operate point	20 ÷ 25 AT	20 ÷ 25 AT	15Gauss (11 ÷ 22 Gauss)	15Gauss (11 ÷ 22 Gauss)
ON-OFF differential	5 ÷ 10 AT	5 ÷ 10 AT	4 ÷ 7 Gauss	4 ÷ 7 Gauss
"ON" response time	0.5 ms	0.5 ms	0.8 µs	0.8 µs
"OFF" response time	0.1 ms	0.1 ms	0.3 µs	0.3 µs
Operating temperature	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C
Operating frequency	500 Hz	500 Hz	200 Hz	
Life Time	10^7 imp	10^7 imp	10^9 imp	10^9 imp
Speed piston	10 m/s	10 m/s	10 m/s	10 m/s
Polarity - reversal protection	Yes	Yes	Yes	Yes
Protection class	IP 67	IP 67	IP 67	IP 67
Sensor material	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63	PA ; AISI 303 ; OT 63
M8-M12 plug material	Brass	Brass	Brass	Brass
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.
Cable jacket colour	Grey	Grey	Grey	Grey
No.Conductors / Section	2x0.14mm²	3x0.14mm²	3x0.14mm²	3x0.14mm²
Conductor colours	Brown(+); Blue(-);	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)
Cable length	2.5m	2.5m	2.5m	2.5m
Packaging				
Qty/Box	1pc / Bag	1pc / Bag	1pc / Bag	1pc / Bag
Other accessories options				
-				
Notes:				

SENSORS (MAGNETIC PROXIMITY SWITCHES)

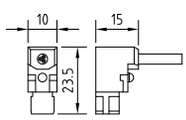


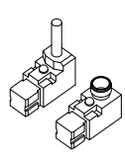
Technical drawing				
				
				
Product description				
Sensor type	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN		
Sensor Part Number:				
2.5m moulded cable	**HSM7D2-G15**	**HSM7N225-G15**		
With M8 plug	**HSM8D2-G15**	**HSM8N203-G15**		
With M12 plug	**HSM9D2-G15**	**HSM9N203-G15**		
Technical data				
Power Supply Rated voltage	3 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC		
Switching current	0.2 A	0.2 A		
Power Rating	6 W	6 W		
On voltage drop	//	< 1 V		
Nominal operate point	20 ÷ 25 AT	40Gauss (34 ÷ 46 Gauss)		
ON-OFF differential	5 ÷ 10 Gauss	5 ÷ 15 Gauss		
"ON" response time	- 10 ° ÷ 70°C	- 10 ° ÷ 70°C		
"OFF" response time	0.5 ms	0.8 µs		
Operating temperature	0.1 ms	0.3 µs		
Operating frequency	- 10°C ÷ 70°C	- 10°C ÷ 70°C		
Life Time	10^7 imp	10^9 imp		
Speed piston	10 m/s	10 m/s		
Polarity - reversal protection	Yes	Yes		
Protection class	IP 68	IP 68		
Sensor material	PA	PA		
M8-M12 plug material	Brass	Brass		
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.		
Cable jacket colour	Grey	Grey		
No.Conductors / Section	3x0.14mm²	3x0.14mm²		
Conductor colours	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)		
Cable length	2.5m	2.5m		
Packaging				
Qty/Box				
Other accessories options				
-				
Notes:				

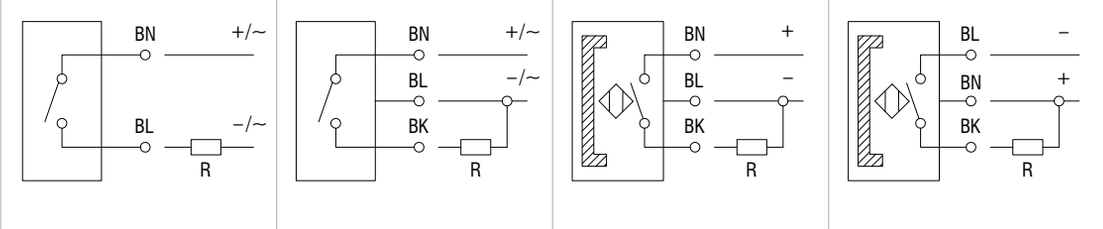
SENSORS (MAGNETIC PROXIMITY SWITCHES)

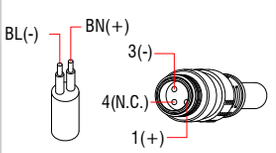


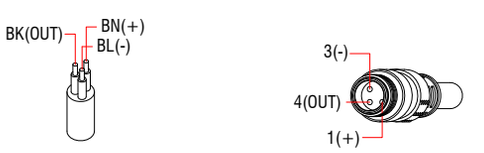
Technical drawing









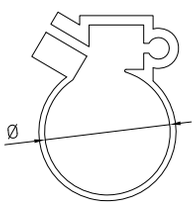


Product description				
Sensor type	2 wires REED NORMALLY OPEN	3 wires REED NORMALLY OPEN	Magneto-resistive PNP NORMALLY OPEN	Magneto-resistive NPN NORMALLY OPEN
Sensor Part Number:				
2.5m moulded cable	**HCB1C425-G15**	**HCB4D225-G15**	**HCB4N225-G15**	**HCB4M225-G15**
With M8 plug	**HCB2C4-G15**	**HCB3D2-G15**	**HCB3N2-G15**	**HCB3M2-G15**
Technical data				
Power Supply Rated voltage	3 ÷ 110 V AC/DC	0 ÷ 24 V AC/DC	6 ÷ 30 V AC/DC	6 ÷ 30 V AC/DC
Switching current	0.3 A	1 A	0.25 A	0.25 A
Power Rating	10 W	10 W	6 W	6 W
On voltage drop	< 3 V	//	< 1 V	< 1 V
Nominal operate point	20 ÷ 25 AT	20 ÷ 25 AT	20Gauss (11 ÷ 22 Gauss)	20Gauss (11 ÷ 22 Gauss)
ON-OFF differential	5 ÷ 10 AT	5 ÷ 10 AT	4 ÷ 7 Gauss	4 ÷ 7 Gauss
"ON" response time	0.5 ms	0.5 ms	0.8 µs	0.8 µs
"OFF" response time	0.1 ms	0.1 ms	0.3 µs	0.3 µs
Operating temperature	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C	- 10°C ÷ 70°C
Operating frequency	500 Hz	500 Hz	200 KHz	200 KHz
Life Time	10^7 imp	10^7 imp	10^9 imp	10^9 imp
Speed piston	10 m/s	10 m/s	10 m/s	10 m/s
Polarity - reversal protection	Yes	Yes	Yes	Yes
Protection class	IP 67	IP 67	IP 67	IP 67
Sensor material	PA ; AISI 303	PA ; AISI 303	PA ; AISI 303	PA ; AISI 303
M8 plug material	PA6 gold plated brass	PA6 gold plated brass	PA6 gold plated brass	PA6 gold plated brass
Cable type	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.	PVC/PVC CEI2022 II O.R.
Cable jacket colour	Grey	Grey	Grey	Grey
No.Conductors / Section	2x0.14mm²	3x0.14mm²	3x0.14mm²	3x0.14mm²
Conductor colours	Brown(+); Blue(-)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)	Brown(+); Blue(-); Black(OUT)
Cable length	2.5m	2.5m	2.5m	2.5m
Packaging				
Qty/Box	1pc / Bag	1pc / Bag	1pc / Bag	1pc / Bag
Other accessories options				
-				
Notes:				

• CYLINDER MOUNTING CLAMPS:

• HXF-G15:

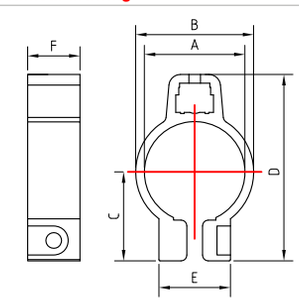
Technical drawing



Microcylinder mounting clamps	HXF-09	HXF-11	HXF-12	HXF-13	HXF-14	HXF-16	HXF-17	HXF-18	HXF-20	HXF-21	HXF-22	HXF-24	HXF-26	HXF-27	HXF-29	HXF-30	HXF-33	HXF-36	HXF-41	HXF-45	HXF-52	HXF-65
Ø mm	ø 9.3	ø 11.3	ø 12	ø 13.3	ø 14	ø 16	ø 17.3	ø 18	ø 20	ø 21.3	ø 22	ø 24	ø 26.3	ø 27	ø 29	ø 30	ø 33.6	ø 36	ø 41.6	ø 45	ø 52.4	ø 65.4
Body materials	PA ; AISI 303																					

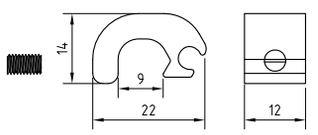
• HSW-G15:

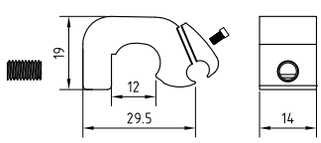
Technical drawing

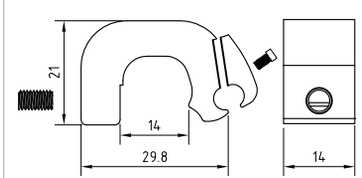


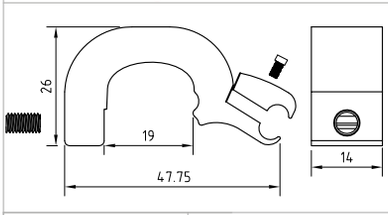
Microcylinder mounting clamps	HSW-08	HSW-10	HSW-12	HSW-16	HSW-20	HSW-25
For cylinder	ø 8	ø 10	ø 12	ø 16	ø 20	ø 25
A mm	ø 9.3	ø 11.3	ø 13.3	ø 17.3	ø 21.3	ø 26.5
B mm	12.3	14.3	16.3	20.3	24.3	29.5
C mm	11.1	12.2	13.2	15.3	17.4	20
D mm	23.9	25.9	28	32.1	36.2	41.4
E mm	12.3				14	
F mm	9					
Body materials	PA ; AISI 303					

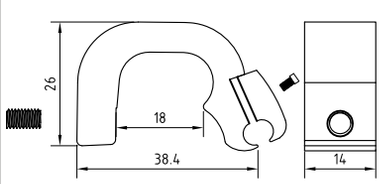
MOUNTING BRACKETS FOR CYLINDER:

Technical drawing	
	
For cylinder	ø 5 ÷ 9mm
Part Number	**HST-10-G15**
Body materials	

Technical drawing	
	
For cylinder	ø 32 ÷ 40mm
Part Number	**HST-80-G15**

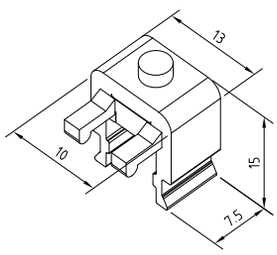
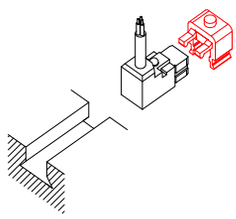
Technical drawing	
	
For cylinder	ø 50 ÷ 63mm
Part Number	**HST-81-G15**

Technical drawing	
	
For cylinder	ø 82 ÷ 100mm
Part Number	**HST-82-G15**

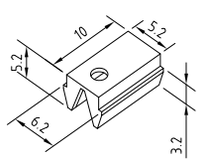
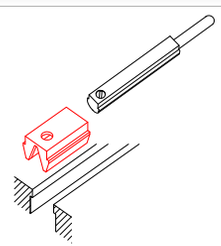
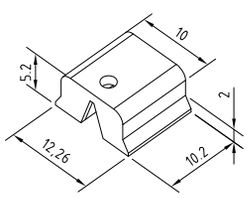
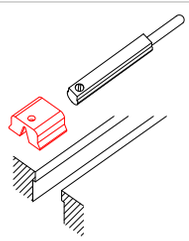
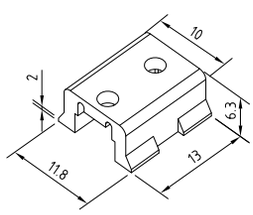
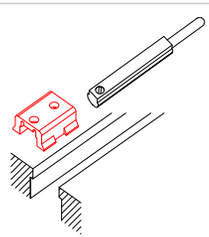
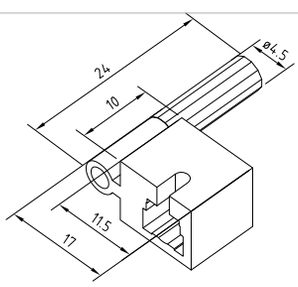
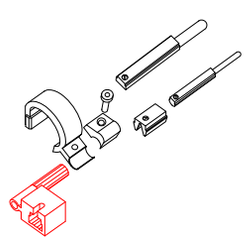
Technical drawing	
	
For cylinder	ø125mm
Part Number	**HST-83-G15**

SENSORS (MAGNETIC PROXIMITY SWITCHES)

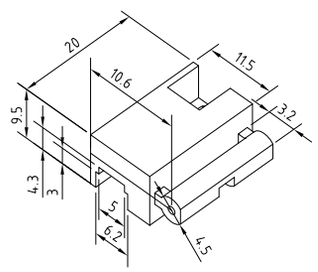
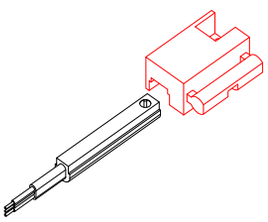
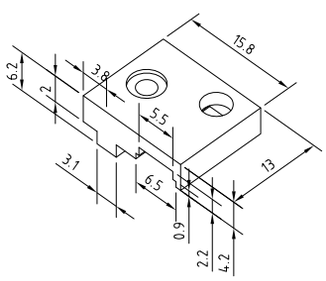
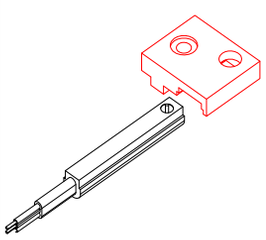
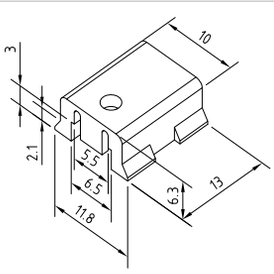
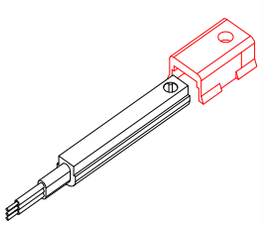
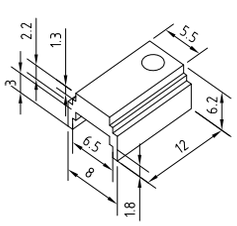
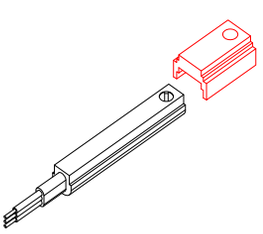
• HK-CB-G15

Technical drawing	Slot adapters material	Application	Packaging	Suitable sensors
	PA / 6005 A / AISI 303		1PC/bag	HCB

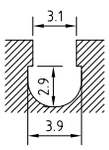
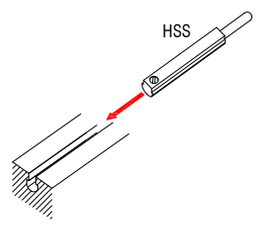
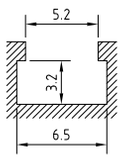
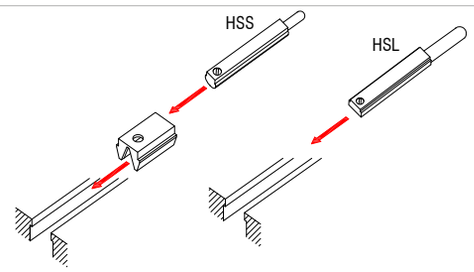
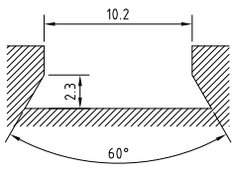
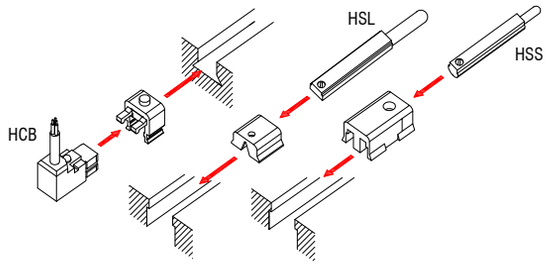
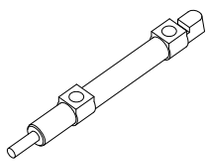
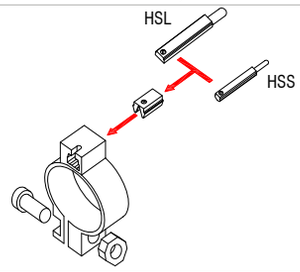
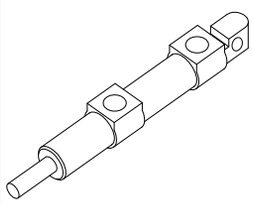
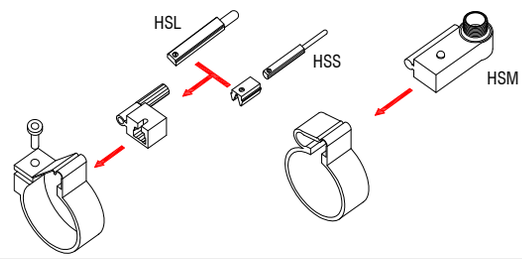
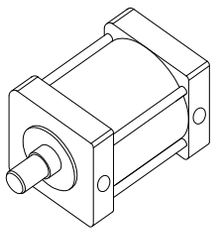
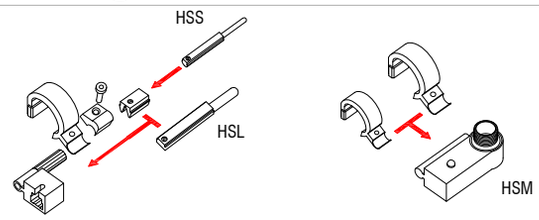
• HK-SENS-G15

Technical drawing	Slot adapters material	Application	Packaging	Suitable sensors
	PA		1PC/bag	HSN HSS
	PA		1PC/bag	HSN HSS
	PA		1PC/bag	HSC HSL HSN HSS
	PA		1PC/bag	HSC HSL HSN HSS

HK-SL-G15

Technical drawing	Slot adapters material	Application	Packaging	Suitable sensors
	PA		1PC/bag	HSL
	PA		1PC/bag	HSL
	PA		1PC/bag	HSL
	PA		1PC/bag	HSL

SENSORS (MAGNETIC PROXIMITY SWITCHES)

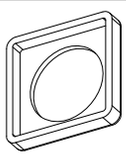
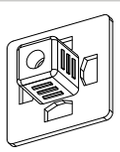
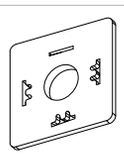
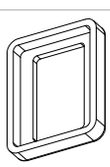
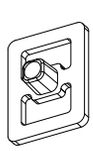
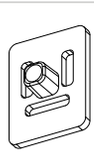
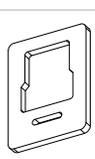
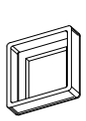
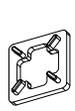
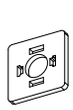
Slots type		Sensors type					Applications type
		HSS	HSL	HSA	HSM	HCB	
C slot		HSS	-	-	-	-	
T slot		HSS + HK-SENS	HSL	HSA	-	-	
Dovetail slot		HSS + HK-SENS	HSL + HK-SENS	HSA + HK-SENS	-	HCB	
SW mounting clamps		HSS + HK-SENS + HSW	HSL + HK-SENS + HSW	HSA + HK-SENS + HSW	-	-	
XF mounting clamps		HSS + HK-SENS + HXF	HSL + HK-SENS + HXF	HSA + HK-SENS + HXF	HSM + HXF	HCB	
ST mounting brackets		HSS + HK-SENS + HST	HSL + HK-SENS + HST	HSA + HK-SENS + HST	HSM + HST	HCB	

Notes:

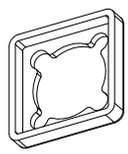
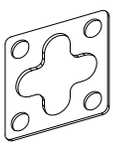
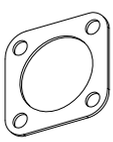
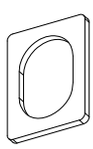
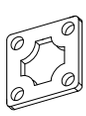


ACCESSORIES

ACCESSORIES

Technical drawing	Gasket type	Part number	Gasket material	Rated temperature range	Colour	Packaging	Suitable connectors
	Profiled	**100013000**	NBR	From -40°C to 90°C	Black	50pcs/bag	G1 G1C CG1 CGB
		10001400F	Silicone	From -40°C to 125°C	White		
	Integrated	**10001400I**	NBR	From -40°C to 90°C	Black	50pcs/bag	G1 G1C CG1 CGB
		10001400M	Silicone	From -40°C to 125°C	White		
	Flat	**10001400A**	NBR	From -40°C to 90°C	Black	50pcs/bag	G1 G1C CG1 CGB G4 TIMER-DIG
		10001400G	Silicone	From -40°C to 125°C	White		
	Profiled	**300013000**	NBR	From -40°C to 90°C	Black	50pcs/bag	M1 CM1 M2 CM2
		30001400H	Silicone	From -40°C to 125°C	White		
	Integrated	**30001400I**	NBR	From -40°C to 90°C	Black	50pcs/bag	CM1
		30001400J	Silicone	From -40°C to 125°C	White		
	Integrated	**30001400M**	NBR	From -40°C to 90°C	Black	50pcs/bag	CM2
		30001400K	Silicone	From -40°C to 125°C	White		
	Flat	**30001400A**	NBR	From -40°C to 90°C	Black	50pcs/bag	M1 CM1 M2 CM2
		30001400G	Silicone	From -40°C to 125°C	White		
	Profiled	**500013000**	NBR	From -40°C to 90°C	Black	100pcs/bag	P1 CP1 P2 CP2
		50001400F	Silicone	From -40°C to 125°C	White		
	Integrated	**50001400I**	NBR	From -40°C to 90°C	Black	100pcs/bag	CP1 CP2
		50001400M	Silicone	From -40°C to 125°C	White		
	Flat	**50001400A**	NBR	From -40°C to 90°C	Black	100pcs/bag	P1 CP1 P2 CP2
		50001400G	Silicone	From -40°C to 125°C	White		

ACCESSORIES

Technical drawing	Gasket type	Part number	Gasket material	Rated temperature range	Colour	Packaging	Suitable connectors
	Profiled	**100013000A**	NBR	From -40°C to 90°C	Black	50pcs/bag	BG5
		100013000D	Silicone	From -40°C to 125°C	White		
	Flat	**10001400J**	NBR	From -40°C to 90°C	Black	100pcs/bag	BG0 BG1 BG2 BG5 BG8 BG10 BG16 BG33 BG42
		10001400K	Silicone	From -40°C to 125°C	White		
	Flat	**10001400H**	NBR	From -40°C to 90°C	Black	100pcs/bag	BG0 BG4
		10001400N	Silicone	From -40°C to 125°C	White		
	Flat	**30001400E**	NBR	From -40°C to 90°C	Black	120pcs/bag	BM1
		30001400F	Silicone	From -40°C to 125°C	White		
	Flat	**50001400E**	NBR	From -40°C to 90°C	Black	100pcs/bag	BP1 BP2
		50001400H	Silicone	From -40°C to 125°C	White		

ACCESSORIES

Technical drawing	Thread type	Length	Part number	Screw material	Packaging	Suitable connectors
	M3x0.5	42mm	**10001500F**	Iron + Zinc plated	50pcs/bag	G4
			10001500F-SS	Iron AISI 304		
	M3x0.5	35mm	**10001500R**	Iron + Zinc plated	50pcs/bag	CG5
			10001500R-SS	Iron AISI 304		
	M3x0.5	35.4mm	**10001500V**	Iron + Zinc plated	50pcs/bag	G1C
			10001500V-SS	Iron AISI 304		
	M3x0.5	32.5mm	**100015000**	Iron + Zinc plated	50pcs/bag	G1 M1 M2
			100015000-SS	Iron AISI 304		
	M2.5x0.5	28mm	**50001500A**	Iron + Zinc plated	100pcs/bag	P1
			50001500A-SS	Iron AISI 304		
	M3x0.5	28mm	**70001500B**	Iron + Zinc plated	100pcs/bag	P2
			70001500B-SS	Iron AISI 304		
	M3x0.5	26mm	**70001500C**	Iron + Zinc plated	50pcs/bag	CM1B
			70001500C-SS	Iron AISI 304		
	M3x0.5	25mm	**10001500P**	Iron + Zinc plated	50pcs/bag	CG1 G1 Adaptor CM1 M1 Adaptor CM2
			10001500P-SS	Iron AISI 304		
	M3x0.5	22.5mm	**70001500P**	Iron + Zinc plated	50pcs/bag	CGB CP2 P2 Adaptor
			70001500P-SS	Iron AISI 304		
	M2.5x0.5	22.5mm	**50001500P**	Iron + Zinc plated	50pcs/bag	CP1 P1 Adaptor
			50001500P-SS	Iron AISI 304		

ACCESSORIES

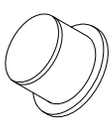
Technical drawing	Thread type	Length	Part number	Screw material	Packaging	Suitable connectors
	ext.: M4x0.5 int.: M3x0.5	15.5mm	**30020500**	Iron + Zinc plated	120pcs/bag	BG8 BG10 BG16 BM1
			30020500-SS	Iron AISI 304		
	ext.: M4x0.5 int.: M3x0.5	14mm	**30020500A**	Iron + Zinc plated	120pcs/bag	BG33 BG42
			30020500A-SS	Iron AISI 304		
	M3x0.5	10mm	**100210001**	Iron + Zinc plated	200pcs/bag	BG1 BG5
			100210001-SS	Iron AISI 304		
	M3x0.5	8mm	**700210001**	Iron + Zinc plated	100pcs/bag	BP2
			700210001-SS	Iron AISI 304		
	M2.5x0.5	8mm	**500210001**	Iron + Zinc plated	100pcs/bag	BP1
			500210001-SS	Iron AISI 304		
	M3x0.5	7.3mm	**100210003**	Iron + Zinc plated	100pcs/bag	BG0 BG4
			100210003-SS	Iron AISI 304		
	M3x0.5	5mm	**300210004***	Iron + Zinc plated	120pcs/bag	BM1
			300210004-SS*	Iron AISI 304		
	M3x0.5	4.8mm	**100210002***	Iron + Zinc plated	100pcs/bag	BG1 BG5 BG8 BG10 BG16 BG33 BG42
			100210002-SS*	Iron AISI 304		

* Screws for P.E.(EARTH) pins.

NOTES:

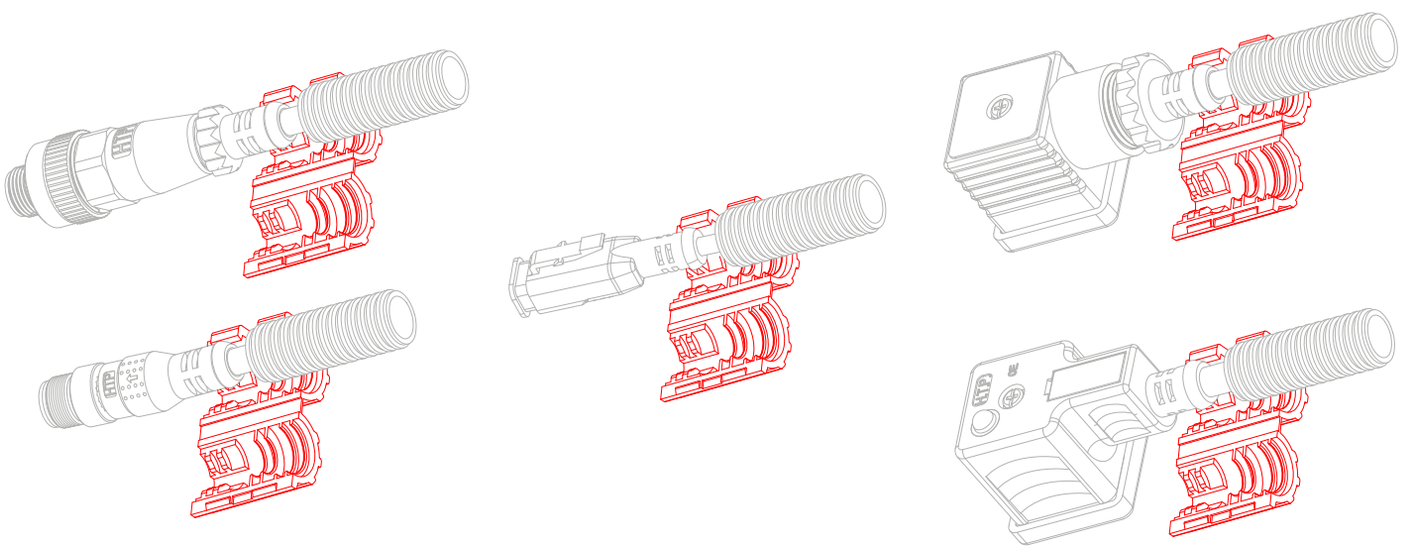
- All screws for DIN connectors are provided with different O-rings depending on the products where them are used.
- All O-rings are made in NBR - In case of other O-rings material is requested please contact us to verifiy the feaisibility.
- All Gaskets can't be sold alone, they must be ordered with the connectors or bases corresponding.
- All Screws can't be sold alone, they must be ordered with the connectors or bases corresponding.

ACCESSORIES

Technical drawing	Cap type	Part number	Gasket materials	Colour	Packaging	Suitable connectors
	Male suitable for Female connector	**CAPS-12-M-P**	PA66	Black	50pcs/bag	M12 Female connectors M12 boxes
	Female SNAP-IN suitable for Male connector	**CAPS-12-F-P**	PA66	Transparent	50pcs/bag	M12 Male connectors
	Male suitable for Female connector	**CAPS-12-M-M**	Brass+Nickel plated	Metal	50pcs/bag	M12 Female connectors M12 boxes
	Female suitable for Male connector	**CAPS-12-F-M**	Brass+Nickel plated	Metal	50pcs/bag	M12 Male connectors
	Male suitable for Female connector	**CAPS-08-M-P**	PA66	Black	50pcs/bag	M8 Female connectors M8 boxes
	Female SNAP-IN suitable for Male connector	**CAPS-08-F-P**	PA66	Transparent	50pcs/bag	M8 Male connectors
	Male suitable for Female connector	**CAPS-08-M-M**	Brass+Nickel plated	Metal	50pcs/bag	M8 Female connectors M8 boxes
	Female suitable for Male connector	**CAPS-08-F-M**	Brass+Nickel plated	Metal	50pcs/bag	M8 Male connectors
	Female	**CAPS BG**	PE	White	50pcs/bag	BG bases

ACCESSORIES

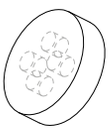
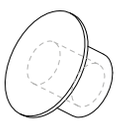
Technical drawing	Int. conduits diameter	Ext. conduits diameter	Part number	Conduits clip material	Packaging	Suitable connectors
	ø6.2mm and ø9.6mm	ø10mm and ø13mm	**ACC1**	PA66	50pcs/bag	Din connectors Field attachable* Din connectors with moulded cable Circular M12 connectors Field attachable* Circular M12 connectors with moulded cable Automotive connectors with moulded cable

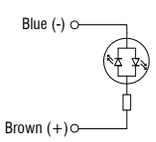
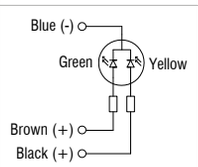


Technical drawing	Gland thread type	Length	Part number	Cable gland	Gland material	Gland colour	Packaging	Suitable connectors
	PG11	29.4mm	**ACSC-PG11**	6.5-7mm	PA66	Black	50pcs/bag	G1 G1C G4 12ML 12FL 12MU 12FU
	PG9	29mm	**ACSC-PG9**	4-7mm	PA66	Black	50pcs/bag	M1 M2
	PG7	29mm	**ACSC-PG7**	3.5-6mm	PA66	Black	50pcs/bag	P1 P2 12FC 12MC 12FB 12MB 12FZ 12MZ 12FT 12MT

* To connect the conduits clip, all field attachable connectors must have the gland with the exit cable.

ACCESSORIES

Technical drawing	Seal type	Part number	Seal material	Colour	Packaging	Suitable gland	Suitable connectors
	Round seal with 2 open holes	**1001000C**	PVC	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU
	Round seal with 4 closed holes easy to break with conductors	**1001000F**	NBR	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU
	Seal reduction with 1 closed holes easy to break with conductors	**10010000A-SI**	PVC	Black	50pcs/bag	PG11	G1 G1C G4 12ML 12FL 12MU 12FU
	Seal reduction with 1 closed holes easy to break with conductors	**10010000D**	PVC	Black	50pcs/bag	PG7	P1 P2 P3

Technical drawing	Technical scheme	Product type	Part number	LED Colour	Packaging	Suitable poles numbers	Suitable connectors
		Bipolar led + resistance with n°2 wires	**ELBO 01**	Red	50pcs/bag	2 poles connected	G1 G1C M1 12FT M2 12MT 12MZ 12FZ
		Bicolour led + resistances	**ELBO 02**	n°1 Yellow n°2 Green	50pcs/bag	3 poles connected	G1 G1C 12MZ 12FZ 12MT 12FT



CABLES LIST

HTP®
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CABLE LIST

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	Form A - B	Form C
01	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm²	3	ø5mm	-20°C / +80°C	●	●
A1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm²	2	ø5mm	-20°C / +80°C	●	●
B1	PVC/PVC	IEC332-1 H03VVF	Black	0.50mm²	4	ø6mm	-20°C / +80°C	●	●
02	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	3	ø6.7mm	-20°C / +80°C	●	
A2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	2	ø6mm	-20°C / +80°C	●	
B2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	4	ø7mm	-20°C / +80°C	●	
C2	PVC/PVC	IEC332-1 H05VVF	Black	0.75mm²	5	ø8.3mm	-20°C / +80°C	●	
03	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	3	ø5.5mm	-20°C / +80°C	●	
A3	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	2	ø6mm	-20°C / +80°C	●	
04	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm²	3	ø5mm	-20°C / +80°C	●	●
A4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm²	2	ø5mm	-20°C / +80°C	●	●
B4	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.50mm²	4	ø6mm	-20°C / +80°C	●	●
05	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	4	ø7mm	-20°C / +80°C	●	
C5	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	0.75mm²	5	ø8.3mm	-20°C / +80°C	●	
06	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm²	3	ø6.7mm	-20°C / +80°C	●	
A6*	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm²	2	ø6.7mm	-20°C / +80°C	●	
B6*	PVC/PVC	CEI2022 II F.R.O.R.	Grey RAL7032	1mm²	4	ø7.2mm	-20°C / +80°C	●	
07*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm²	3	ø7.2mm	-20°C / +80°C	●	
A7*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm²	2	ø6.7mm	-20°C / +80°C	●	
B7*	PVC/PVC	CEI2022 II F.R.O.R. SHIELDED	Grey RAL7032	1mm²	4	ø8.3mm	-20°C / +80°C	●	
08*	PUR/PVC		Black	0.50mm²	3	ø5mm	-40°C / +80°C	●	●
A8*	PUR/PVC		Black	0.50mm²	2	ø5mm	-40°C / +80°C	●	●
B8*	PUR/PVC		Black	0.50mm²	4	ø6mm	-40°C / +80°C	●	●
C8*	PUR/PVC		Black	0.50mm²	5	ø6.5mm	-40°C / +80°C	●	
09*	PUR/PVC		Black	0.75mm²	3	ø6mm	-40°C / +80°C	●	
A9	PUR/PVC		Black	0.75mm²	2	ø6mm	-40°C / +80°C	●	
B9*	PUR/PVC		Black	0.75mm²	4	ø7.2mm	-40°C / +80°C	●	
10*	PUR/PUR	Li-YY11Y	Black	0.50mm²	3	ø5mm	-40°C / +80°C	●	●
AA*	PUR/PUR	Li-YY11Y	Black	0.50mm²	2	ø5mm	-40°C / +80°C	●	●
AB*	PUR/PUR	Li-YY11Y	Black	0.50mm²	4	ø6.7mm	-40°C / +80°C	●	●
11*	PUR/PUR	Li-YY11Y	Black	0.75mm²	3	ø6.7mm	-40°C / +80°C	●	
BA*	PUR/PUR	Li-YY11Y	Black	0.75mm²	2	ø6.5mm	-40°C / +80°C	●	
BB*	PUR/PUR	Li-YY11Y	Black	0.75mm²	4	ø7.2mm	-40°C / +80°C	●	
13*	PVC/PVC	IEC332-1 H03VVF	Black	1mm²	2	ø6mm	-20°C / +80°C	●	
14*	PVC/PVC	CEI2022 II F.R.O.R.	Black	1mm²	3	ø6.7mm	-20°C / +80°C	●	
16*	PVC/PVC	UL style 21179	Black	18 AWG	3	ø6.7mm	-20°C / +105°C	●	

*** = Cables with minimum quantity required.**

CABLE LIST

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
K	PVC/PVC	CEI2022	Black	0.14mm²	3 *	ø2.6mm	-20°C / +80°C	●	●			
					12	ø6.5mm	-20°C / +80°C		●			
A	PVC/PVC	CEI2022	Black	0.25mm²	2 *	ø3.5mm	-20°C / +80°C	●	●			
					3	ø 4mm	-20°C / +80°C	●	●			
					4	ø 4.4mm	-20°C / +80°C	●	●			
					5	ø 4.7mm	-20°C / +80°C		●			
					8	ø 6mm	-20°C / +80°C		●			
B	PVC/PVC	CEI2022	Black	0.34mm²	2 *	ø 4.8mm	-20°C / +80°C	●	●			
					3 *	ø 4.8mm	-20°C / +80°C	●	●			
					4	ø 5.2mm	-20°C / +80°C	●	●			
					5 *	ø 5.5mm	-20°C / +80°C		●			
					8	ø 6.5mm	-20°C / +80°C		●			
N	PVC/PVC	CEI2022	Grey RAL7032	0.25mm²	2	ø3.5mm	-20°C / +80°C	●	●			
					3	ø 4mm	-20°C / +80°C	●	●			
					4	ø 4.4mm	-20°C / +80°C	●	●			
					5 *	ø 4.7mm	-20°C / +80°C		●			
					8 *	ø 6mm	-20°C / +80°C		●			
L	PVC/PVC	CEI2022	Grey RAL7032	0.34mm²	2 *	ø 4.8mm	-20°C / +80°C	●	●			
					3	ø 4.8mm	-20°C / +80°C	●	●			
					4	ø 5.2mm	-20°C / +80°C	●	●			
					5	ø 5.5mm	-20°C / +80°C		●			
					8 *	ø 6.5mm	-20°C / +80°C		●			
H	PUR/PUR		Black	0.14mm²	3 *	ø2.6mm	-40°C / +80°C	●	●			
					12 *	ø6mm	-40°C / +80°C		●			
C	PUR/PUR		Black	0.25mm²	2 *	ø 3.5mm	-40°C / +80°C	●	●			
					3 *	ø 4mm	-40°C / +80°C	●	●			
					4 *	ø 4.4mm	-40°C / +80°C	●	●			
					5 *	ø 4.7mm	-40°C / +80°C		●			
					8 *	ø 6mm	-40°C / +80°C		●			
C-K6-IS	PUR/TPO	c UL us ULstyle 21576	Black	0.25mm²	3	ø4.1mm	-30°C / +80°C	●	●		●	
					4	ø4.7mm	-30°C / +80°C	●	●			
					5	ø5.1mm	-30°C / +80°C		●			
					8	ø6.3mm	-30°C / +80°C		●			●
D	PUR/PUR		Black	0.34mm²	2 *	ø 4.8mm	-40°C / +80°C	●	●			
					3 *	ø 4.8mm	-40°C / +80°C	●	●			
					4 *	ø 5.2mm	-40°C / +80°C		●			
					5 *	ø 5.5mm	-40°C / +80°C		●			
					8 *	ø 6.5mm	-40°C / +80°C		●			

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CABLE LIST

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
D-K6-IS	PUR/TPO	ULstyle 21576 	Black	AWG 22 (0.34mm²)	4	ø4.8mm	-30°C / +80°C	●	●		●	●
					5	ø5.3mm	-30°C / +80°C		●			●
J	PVC/PVC	CEI2022 SHIELDED 	Black	0.25mm²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4 *	ø4.8mm	-20°C / +80°C	●	●			
					5 *	ø5.2mm	-20°C / +80°C		●	●		
					8 *	ø6.5mm	-20°C / +80°C		●			
F	PVC/PVC	CEI2022 SHIELDED 	Black	0.34mm²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4 *	ø5.5mm	-20°C / +80°C	●	●			
					5 *	ø6mm	-20°C / +80°C		●			
					8 *	n.a.	-20°C / +80°C		●			
Q	PVC/PVC	CEI2022 SHIELDED 	Grey RAL7032	0.25mm²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4	ø4.8mm	-20°C / +80°C	●	●			
					5 *	ø5.2mm	-20°C / +80°C		●	●		
					8 *	n.a.	-20°C / +80°C		●			
R	PVC/PVC	CEI2022 SHIELDED 	Grey RAL7032	0.34mm²	2 *	n.a.	-20°C / +80°C	●	●			
					3 *	n.a.	-20°C / +80°C	●	●			
					4 *	ø5.5mm	-20°C / +80°C	●	●			
					5 *	ø6mm	-20°C / +80°C		●	●		
					8 *	n.a.	-20°C / +80°C		●			
U	PUR/PUR	SHIELDED 	Black	0.25mm²	2 *	n.a.	-40°C / +80°C	●	●			
					3 *	ø4.4mm	-40°C / +80°C	●	●			
					4	ø4.8mm	-40°C / +80°C	●	●			
					5 *	ø5.2mm	-40°C / +80°C		●	●		
					8	n.a.	-40°C / +80°C					
U-K6-IS	PUR/TPO	ULstyle 21576 SHIELDED 	Black	AWG 24 (0.25mm²)	8	ø7mm	-30°C / +80°C		●			●
G	PUR/PUR	SHIELDED 	Black	0.34mm²	2 *	n.a.	-40°C / +80°C	●	●			
					3 *	ø4.8mm	-40°C / +80°C	●	●			
					4 *	ø5.5mm	-40°C / +80°C	●	●			
					5 *	ø6mm	-40°C / +80°C		●	●		
					8 *	n.a.	-40°C / +80°C		●			
G-K6-IS	PUR/TPO	ULstyle 21576 SHIELDED 	Black	AWG 22 (0.34mm²)	5	ø5.4mm	-30°C / +80°C		●	●		●

*** = Cables with minimum quantity required.**

CABLE LIST



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
81-K6-IS *	PUR / Polyolefin	ULstyle 20234 SHIELDED	Orange RAL2003 Desina	AWG 16 (1.5mm²)	4	ø8.6mm	-30°C / +80°C		●			●



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
T-K6-IS	PUR / Polyolefin	ULstyle 444 SHIELDED	Violet RAL4001 Desina	AWG 24 (0.25mm²)	1 x 2	ø8.2mm	-30°C / +70°C		●			●



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
21-IS	PVC / Polyolefin	ULstyle 2464 SHIELDED DEVICENET	Violet RAL4001 Desina	AWG 24 AWG 22	1x 2+1 x 2	ø7mm	-30°C / +80°C		●			●



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
71-K6-IS	PUR / Polyolefin	ULstyle 20236 SHIELDED ETHERNET CAT.5E	Green RAL6016	AWG 26 (0.14mm²)	4 x 2	ø7.2mm	-30°C / +70°C		●			



Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	M8	M12	M9	M8	M12
40-K6-IS	PUR/ Polyolefin	ULstyle 21576 SHIELDED PROFINET	Green RAL6018	AWG 22 (0.34mm²)	4	ø6.7mm	-30°C / +80°C		●			

*** = Cables with minimum quantity required.**

CABLE OF M8 DISTRIBUCTION BOXES :

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	BOX SINGLE SIGNAL				
								4 POS.	6 POS.	8 POS.	10 POS.	12 POS.
V-2+8	PVC /PVC	CEI2022II O.R.	Black	2x0.50mm² 8x0.25mm²	2+8	ø9mm	-20°C / +80°C	●	●	●		
V-2+12	PVC /PVC	CEI2022II O.R.	Black	2x0.50mm² 12x0.25mm²	2+12	ø10mm	-20°C / +80°C				●	●
P-2+8	PUR /PUR		Black	2x0.50mm² 8x0.25mm²	2+8	ø9mm	-40°C / +80°C	●	●	●		
P-2+12	PUR /PUR		Black	2x0.50mm² 12x0.25mm²	2+12	ø10mm	-40°C / +80°C				●	●

CABLE OF M12 DISTRIBUCTION BOXES :

Code	Material	Type of cable	Colour	Section	No.core	Cable ø mm ±0.3	Temperature range °C	BOX SINGLE SIGNAL			BOX DOUBLE SIGNAL		
								4 POS.	6 POS.	8 POS.	4 POS.	6 POS.	8 POS.
V-3+8	PVC /PVC	CEI2022II O.R.	Black	3G0.75mm² 8x0.34mm²	3+8	ø8.80mm	-20°C / +80°C	●	●	●	●		
V-3+16	PVC /PVC	CEI2022II O.R.	Black	3G0.75mm² 16x0.34mm²	3+16	ø10.60mm	-20°C / +80°C					●	●
P-3+8-K6-IS	PUR /TPO	c UL us ULstyle 20549 	Black	3G0.75mm² 8x0.34mm²	3+8	ø8.80mm	-40°C / +80°C	●	●	●	●		
P-3+16-K6-IS	PUR /TPO	c UL us ULstyle 20549 	Black	3G0.75mm² 16x0.34mm²	3+16	ø10.60mm	-40°C / +80°C					●	●

*** = Cables with minimum quantity required.**

Notes:

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