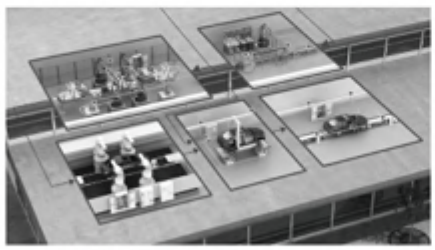
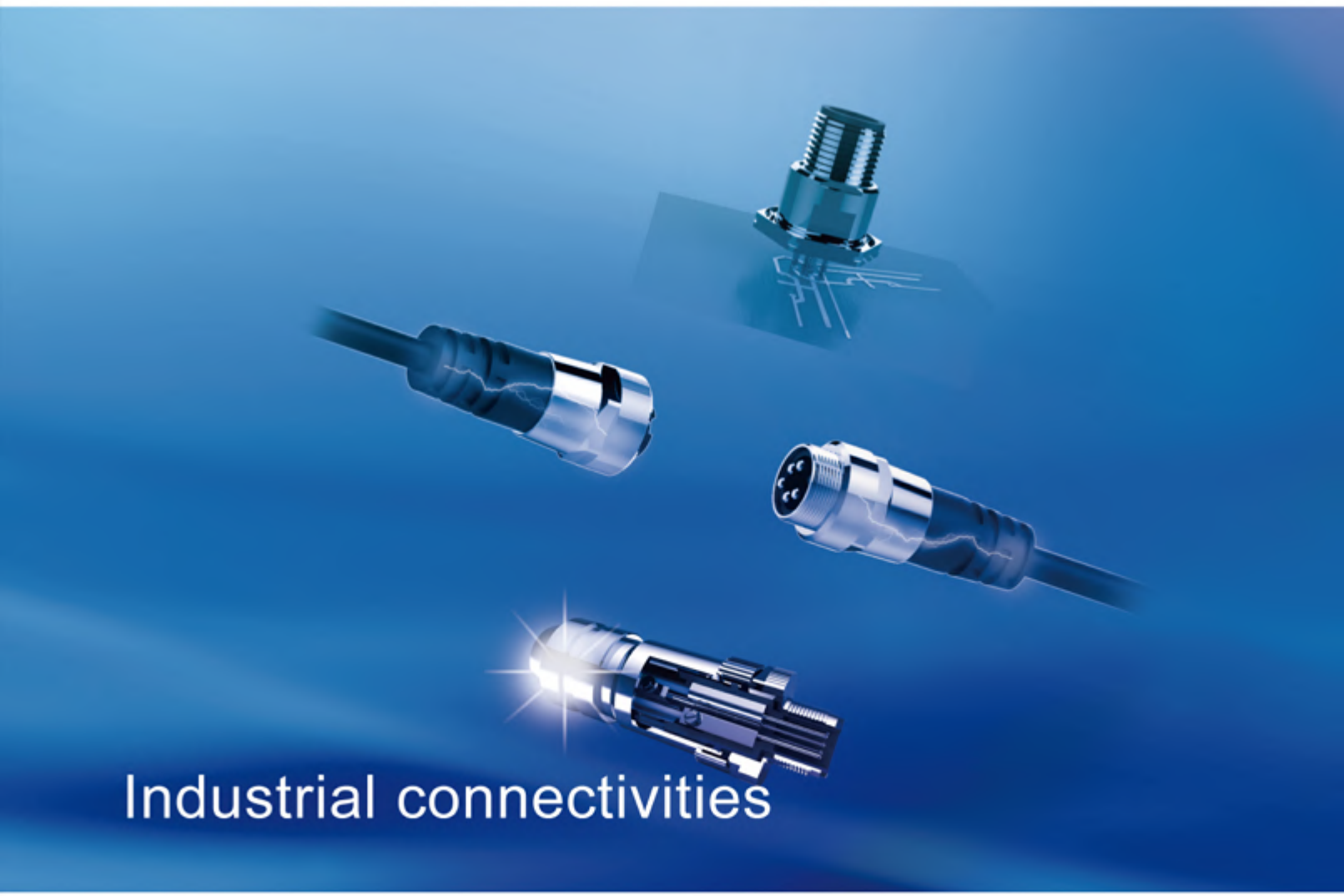
B.C.E.
ELECTRONICS

GSEE
TECH







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Company Profile

Tianjin Geneuo Technology Co.,Ltd. specializes in research, manufacture, sales of industrial automation products, control system integration and engineering service. Relying on world's leading technology of industrial automation components and system solutions with GSEE-TECH technology, Geneuo could provide advanced products and technology to achieve the goal of meticulous production and intelligent factory.

Our business is divided into four parts: industrial communication, industrial connection, industrial components and industrial engineering.

Industrial communication: Industrial Ethernet solutions and fieldbus modules support a variety of protocols could provide complete solutions of information network and data acquisition for industrial automation control system.

Industrial connection: More than thousands of products in hundreds of kind of round connectors, rectangle connectors, mil-spec connectors and servo connectors, and customized solutions could meet customers' connection requirements in power, communication, driving and signal transformation industries.

Industrial components: LED lighting as one kind of green energy products could provide high performance machine station lighting and factory lighting, and complete intelligent lighting solutions for industrial environment. Varity of position detection sensors such as inductive, photoelectric, capacitive, magnetic induction and travel sensors, and encoders; process instruments and switches such as electromagnetic flowmeters, flow sensors, pressure transmitters, pressure sensors, temperature sensors, level sensors and level meters. Varity of interface products for signal processing, conversion and protection such as isolated barriers, isolators, power units, relays and surge protectors.

Industrial engineering: We are dedicated to provide automation equipment, automation control system, MES, intelligent manufacture solutions and technical service in vehicles & parts and steel pipe manufacturing, petroleum chemical industry, metallurgy, water treatment, electric power and other industries.

Our products and engineering service have been widely used in vehicle, metallurgy, machine tool, elevator, textile, wind power, solar energy, electric power, petroleum chemical, packaging, printing, food and beverage, engineering machinery, rail transportation, weather equipment, infrastructure construction and other industries.

Geneuo technology has attracted our customers with advanced technology, precise marketing positioning, improved management system and positive enterprise culture. Geneuo is fighting for the development of China industrial automation with our high-quality products and professional service.

Contents

Series

- M8 A00~12
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- DeviceNet™ H00~14
- Ethernet I00~08
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- PROFIBUS-DP K00~05

Cables

- Cables L01~04

Instructions

- Cable installation instructions and customization 004~005

Index

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P00=PVC (Standard Color: Black)

All PVC-cable, adapted for average mechanical stresses in the area of packing machines as well as assemblyand production-lines. Good resistance against acids and lye and therefore predestined for use in the foodand beverage-industry. Restricted abrasion behaviour and limited oil- and chemicals-resistance are provided.

P01=Irradiated PVC (Standard Color: Orange)

The irradiated PVC cable compared with the ordinary PVC, in mechanical strength, chemical resistance and abrasion resistance performance has greatly improved, and illuminate the PVC are still able to maintain stability at high temperatures, which has excellent resistance to electric spark, welding slag, performance in more than 30 cm away from the welding torch distance is safe to use. Suitable for all kinds of application of welding occasion.

P10=PUR | PVC (Standard Color: Black)

All-round cable with PUR-outer jacket and PVC-wire insulation adapted for use in the areas of machine tool,assembly- and production-lines as well as in metal-cutting production. In addition to its good oil- and chemicals-resistance, this cable has a high abrasion strength. Use in a drag-chain is possible.

P11=PUR , Does not contain PVC and halogenfree (Standard Color: Yellow)

Specially developed and permanently flexible control-cable for use in industrial robots, rotary- and swingtables as well as machine-control cables for extreme conditions. This cable is used wherever bending and torsion strains occur simultaneously and longer service periods are required. The PUR outer jacket provides for a very good resistance against oils,lubricants and coolants and other aggressive agents. This cable can be used at permanent temperatures up to +105°C.

P21=Irradiated PUR | PE , Does not contain PVC and halogenfree (Standard Color: Orange)

Irradiated PUR cable compared with the ordinary PUR cable in mechanical strength, wear resistance has improved significantly, with oil resistance, in addition, it has excellent welding spark resistance, in the distance from 30 cm above the welding torch can be safely used. Use temperature can reach 105 ° C. Apply to the robot, welding robot, machine tools, assembly line and production areas such as metal processing.

S10=Shielding PVC (Standard Color: Black)

In addition to ordinary PVC cable applicable application environment, there are often used in the scene such as electromagnetic wave electrical noise application environment.

P13=PUR| PP (Standard Color: Black)

PUR sheath, TPE insulation, heat resistance range from - 40 ° C to + 90 ° C. Oil resistance, abrasion resistance, high flexibility, suitable for drag chain occasions and frequent mobile applications.

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Importation & Distribution Electronic Components

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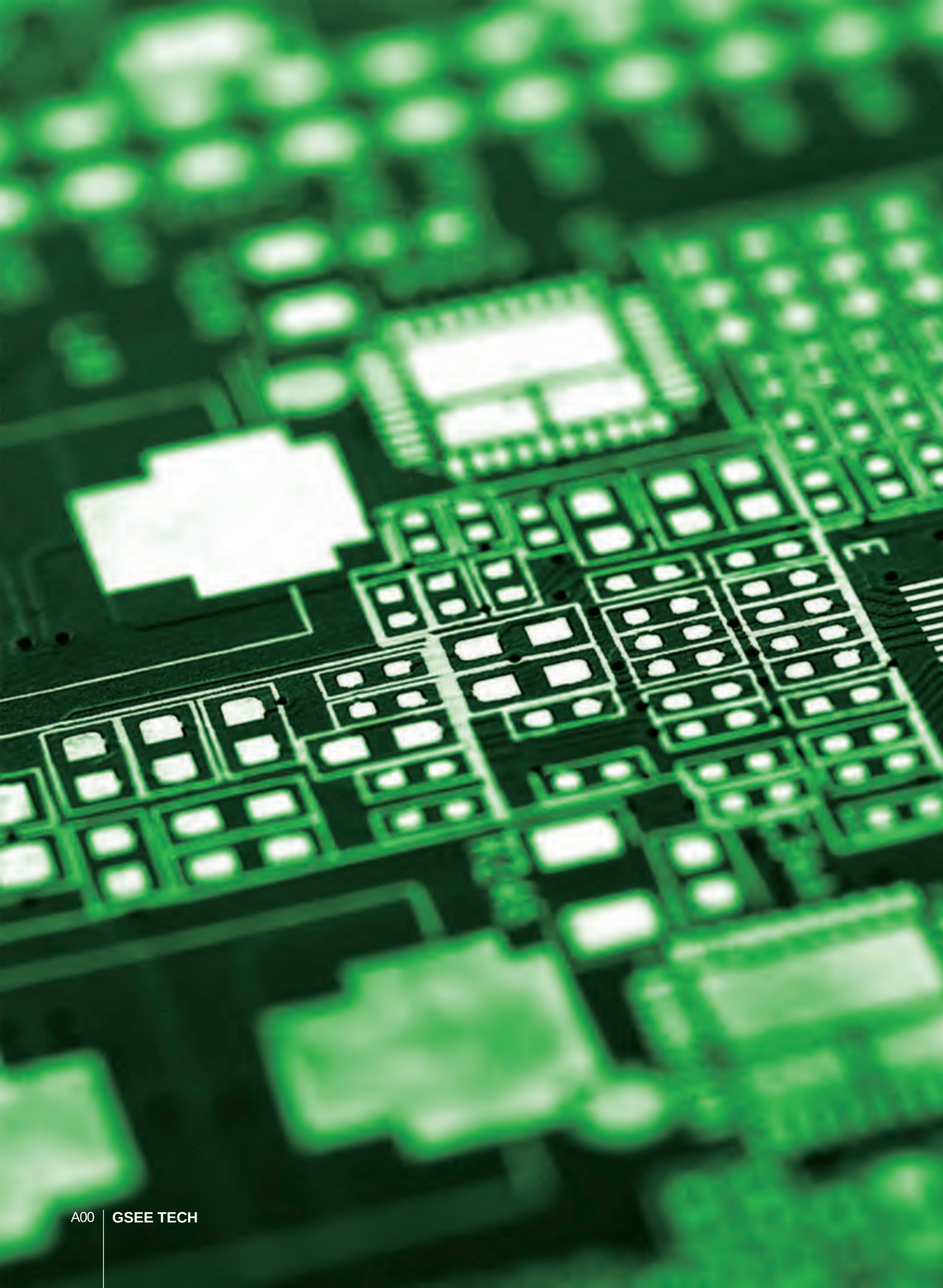
SYSTEM CERTIFICATION ISO 9001 SGS ISO 9001:2008

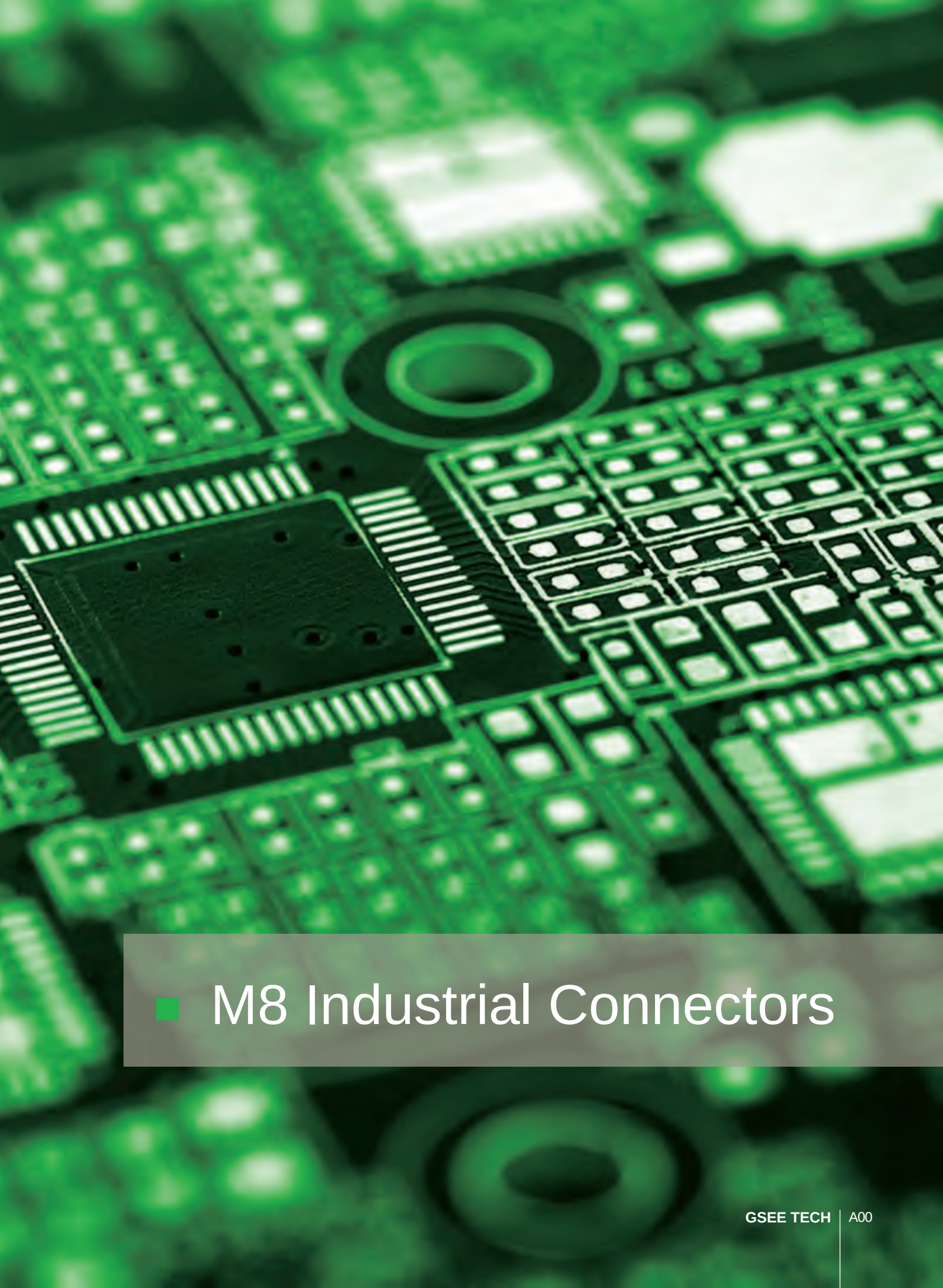
S12=Halogen free low smoke with Shielding (Standard Color: Black)

From the scope of heat-resistant and 40 ° C to + 90 ° C. Do not contain PVC and halogen, resistance to oil also has certain self-extinguishing, can be used in the minimum bending radius is more than 10 times the cable diameter of drag chain. Often used in the scene with the application of the electrical noise such as electromagnetic wave environment..

S13=High soft, low smoke zero halogen belt shielding, shielding (Standard Color: Black)

From the scope of heat-resistant and 40 ° C to + 90 ° C. Do not contain PVC and halogen, resistance to oil also has certain self-extinguishing, can be used to drag chain. Often used in the scene with the application of electrical noise environment, such as electromagnetic wave applied to robots, machine tools, assembly line and production field of metal processing, etc...





M8 Industrial Connectors

M8/Ø8 Pre-moulding connector part number key

S	L	K	4	P	2	–	2M	/	P00	/	GY	22	/	CYE	HYE	/	T00
1	2	3	4	5	6		7		8		9	10		11	12		13

1
- S M8X1 Connector
- R Ø8 Connector

2
- Blank Straight
- L Right angle

3
- K Female
- Z Male

4 Number of pins
- 3 1 BN, 3 BU, 4 BK
- 4 1 BN, 2 WH, 3 BU, 4 BK

5 LED indicator
- P PNP
- N NPN

6 Number of LED

7 Length [m]

8 Cable Jacket

9 Color of cable
- Blank Standard color
- BU Blue（customization）
- YE Yellow（customization）
- GY Gray（customization）
- WH White（customization）
- OR Orange（customization）
- LGY Light grey（customization）

10 Wire gauge
- Blank Standard wire gauge 24AWG (0.25mm²)
- 22 22AWG:0.34mm²（customization）
- 26 26AWG:0.14mm²（customization）

11 Color of contact carrier
- Blank Standard color black
- CYE Yellow contact carrier（customization）

12 Color of plug body
- Blank Standard color black
- HYE Plug body yellow （customization）
- HBU Plug body blue（customization）

13 Varieties

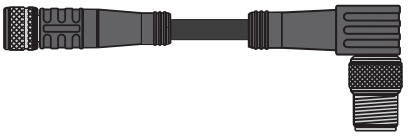
Extension Examples



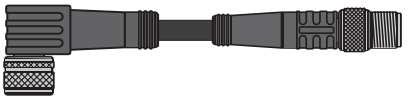
EK3 SK3-*M/P00



SK3 SZ3-*M/P00



SK3 SLZ3-*M/P00



SLK3 SZ3-*M/P00

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M8/Ø8 Receptacle/field wireable connector part number key

Receptacle part number key

FS K 4 1 – 0.5 / M8 / 22AWG / T00

1 2 3 4 5 6 7 8

1
FS M8 Receptacle
FR Ø8 Receptacle

2
K Female
Z Male

3
Number of pins

4
Termination（mounting style）
1 Rear mount
2 Front moumt

5
Length of cable 0.5=0.5m
L Solder cup
P PCB pins

6
Thread Type（Connection thread)
M8 M8X0.5, Blank - PG9,
NPT 1/2-14NPT, NPSM 1/2-14NPSM,
RS14 Rectangular screw connection
（screw pitch 14mm）

7
Wire gauge of cable
Blank 24AWG

8
Varieties

Field wireable connector part number key

S L K 41 1 1 – 0/7/L

1 2 3 4 5 6 7

1
S M8x1 Field wireable connector

2
L Right angle
Blank Straight

3
K Female
Z Male

4
Number of pin/material of pin
1 Ag plated brass
2 Au plated brass

5
1 A-code

6
Housing material
1 Plastic housing, nylon coupling nut
2 Plastic housing,metal coupling nut
3 Plastic housing,VA-metal coupling nut
4 Transparent plastic housing, plastic coupling nut
5 Transparent plastic housing, metal coupling nut
8 Metal housing

7
Thread Type（connection thread)
0:Single cable 1:Dual cable

Cable opening Blank M10 7,9 (PG7,9)

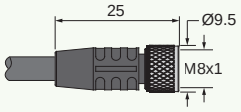
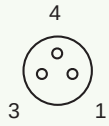
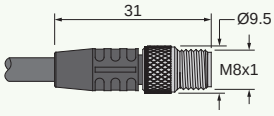
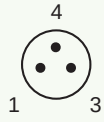
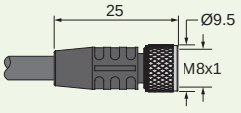
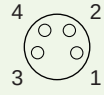
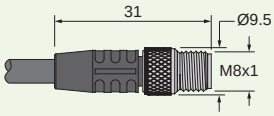
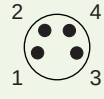
Termination Blank Screw terminals
L Solder cup

3pins/4pins M8 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree: IP67
- Rated current:4A
- Rated voltage:3 Pin 60V,4 Pin 30V
- Insulation resistance: ≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100





Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female Short Type SKD..** 	SKD3-2M/P00 SKD3-5M/P00 SKD3-10M/P00	10021176 10021177 10021178	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Female  1.BN 3.BU 4.BK
Straight Male Short Type SZD..** 	SZD3-2M/P00 SZD3-5M/P00 SZD3-10M/P00	10021179 10021180 10021181	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Male  1.BN 3.BU 4.BK
Straight Female Short Type SKD..** 	SKD4-2M/P00 SKD4-5M/P00 SKD4-10M/P00	10021182 10021183 10021184	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Female  1.BN 2.WH 3.BU 4.BK
Straight Male Short Type SZD..** 	SZD4-2M/P00 SZD4-5M/P00 SZD4-10M/P00	10021185 10021186 10021187	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Male  1.BN 2.WH 3.BU 4.BK

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

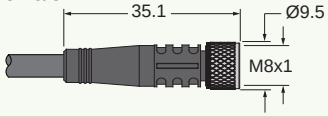
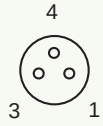
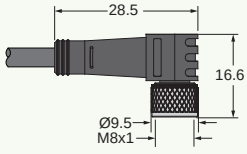
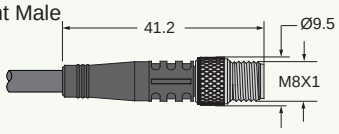
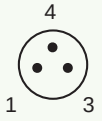
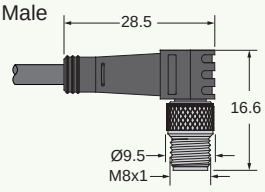
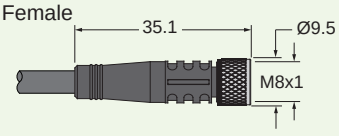
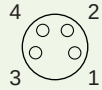
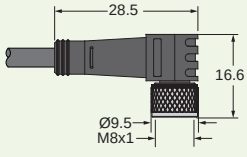
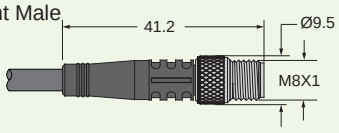
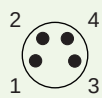
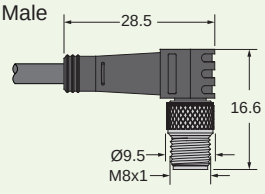
** Standard coupling nut material is nickel plated brass

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3pins/4pins M8 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree: IP67
- Rated current:4A
- Rated voltage:3 Pin 60V,4 Pin 30V
- Insulation resistance: ≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female SK..** 	SK3-2M/P00 SK3-5M/P00 SK3-10M/P00	10021000 10021001 10021002	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Female  1.BN 3.BU 4.BK
Right angle Female SLK..** 	SLK3-2M/P00 SLK3-5M/P00 SLK3-10M/P00	10021020 10021021 10021022		
Straight Male SZ..** 	SZ3-2M/P00 SZ3-5M/P00 SZ3-10M/P00	10021040 10021041 10021042	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Male  1.BN 3.BU 4.BK
Right angle Male SLZ..** 	SLZ3-2M/P00 SLZ3-5M/P00 SLZ3-10M/P00	10021060 10021061 10021062		
Straight Female SK..** 	SK4-2M/P00 SK4-5M/P00 SK4-10M/P00	10021010 10021011 10021012	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Female  1.BN 2.WH 3.BU 4.BK
Right angle Female SLK..** 	SLK4-2M/P00 SLK4-5M/P00 SLK4-10M/P00	10021030 10021031 10021032		
Straight Male SZ..** 	SZ4-2M/P00 SZ4-5M/P00 SZ4-10M/P00	10021050 10021051 10021052	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Male  1.BN 2.WH 3.BU 4.BK
Right angle Male SLZ..** 	SLZ4-2M/P00 SLZ4-5M/P00 SLZ4-10M/P00	10021070 10021071 10021072		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

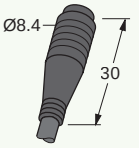
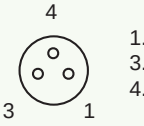
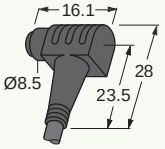
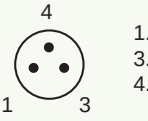
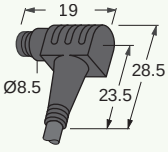
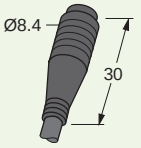
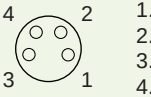
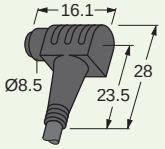
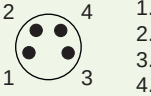
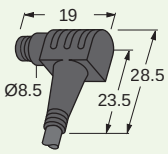
** Standard coupling nut material is nickel plated brass

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www.bce.it - E-mail: bce@bce.it

3pins/4pins M8 Pre-moulding connector

- Plug body:TPU/Black
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree: IP67
- Rated current:4A
- Rated voltage:3 Pin 60V,4 Pin 30V
- Insulation resistance: ≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female RK..** 	RK3-2M/P00 RK3-5M/P00 RK3-10M/P00	10022000 10022001 10022002	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Female  1.BN 3.BU 4.BK
Right angle Female RLK..** 	RLK3-2M/P00 RLK3-5M/P00 RLK3-10M/P00	10022020 10022021 10022022		
Straight Male RZ..** 	RZ3-2M/P00 RZ3-5M/P00 RZ3-10M/P00	10022040 10022041 10022042	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Male  1.BN 3.BU 4.BK
Right angle Male RLZ..** 	RLZ3-2M/P00 RLZ3-5M/P00 RLZ3-10M/P00	10022060 10022061 10022062		
Straight Female RK..** 	RK4-2M/P00 RK4-5M/P00 RK4-10M/P00	10022010 10022011 10022012	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Female  1.BN 2.WH 3.BU 4.BK
Right angle Female RLK..** 	RLK4-2M/P00 RLK4-5M/P00 RLK4-10M/P00	10022030 10022031 10022032		
Straight Male RZ..** 	RZ4-2M/P00 RZ4-5M/P00 RZ4-10M/P00	10022050 10022051 10022052	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Male  1.BN 2.WH 3.BU 4.BK
Right angle Male RLZ..** 	RLZ4-2M/P00 RLZ4-5M/P00 RLZ4-10M/P00	10022070 10022071 10022072		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

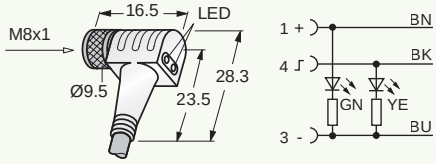
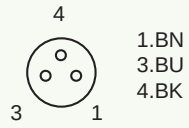
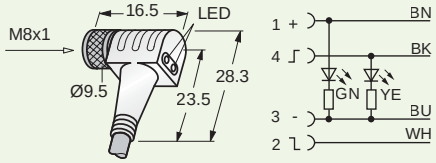
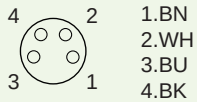
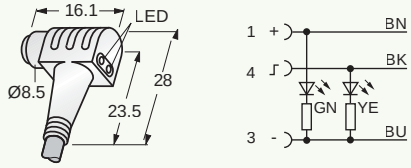
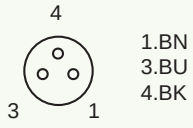
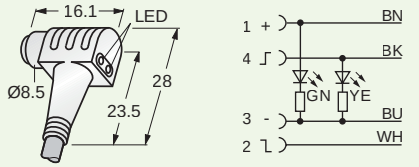
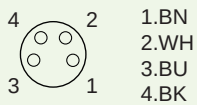
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3pins/4pins M8/Ø8 Pre-moulding connector with LEDs

- Plug body:TPU/Black
- Coupling nut:Brass/Nicket
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree: IP67
- Rated current:4A
- Rated voltage:3 Pin 60V,4 Pin 30V
- Insulation resistance: ≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100





Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
M8 Right angle Female SLK..** 	SLK3P2-2M/P00 SLK3P2-5M/P00 SLK3P2-10M/P00	10021480 10021481 10021482	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Female 
M8 Right angle Female SLK..** 	SLK4P2-2M/P00 SLK4P2-5M/P00 SLK4P2-10M/P00	10021490 10021491 10021492	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Female 
Ø8 Right angle Female RLK..** 	RLK3P2-2M/P00 RLK3P2-5M/P00 RLK3P2-10M/P00	10024600 10024601 10024602	PVC/Black 3x24AWG Ø4.4mm Cable Type NO. : CS032400-*M	Female 
Ø8 Right angle Female RLK..** 	RLK4P2-2M/P00 RLK4P2-5M/P00 RLK4P2-10M/P00	10024610 10024611 10024612	PVC/Black 4x24AWG Ø4.4mm Cable Type NO. : CS042400-*M	Female 

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

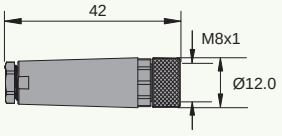
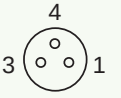
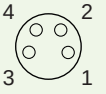
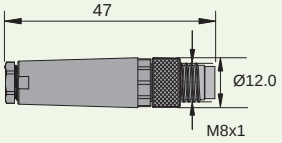
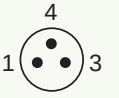
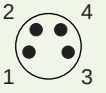
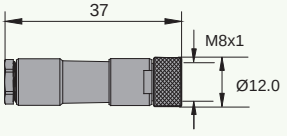
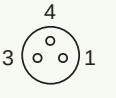
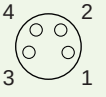
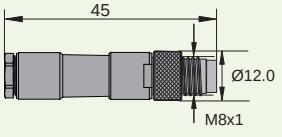
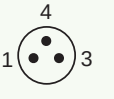
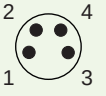
** Standard coupling nut material is nickel plated brass

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3pins/4pins M8 Field wirable connector



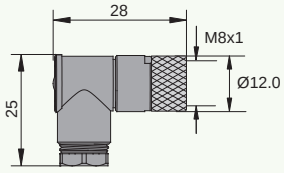
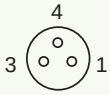
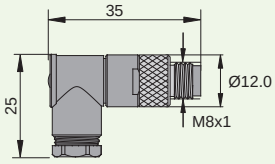
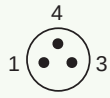



Field wireable connector	Type NO.	ID NO.	Features	Pinout
M8x1 Straight Female Screw terminals 	SK3212-0	10091500	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Screw terminals 85°C , 60V, 4 A	
	SK4212-0	10091501	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Screw terminals 85°C , 60V, 4 A	
M8x1 Straight Male Screw terminals 	SZ3212-0	10091502	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Screw terminals 85°C , 60V, 4 A	
	SZ4212-0	10091503	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Screw terminals 85°C , 60V, 4 A	
M8x1 Straight Female Solder cup 	SK3212-0/L	10091504	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	
	SK4212-0/L	10091505	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	
M8x1 Straight Male Solder cup 	SZ3212-0/L	10091506	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	
	SZ4212-0/L	10091507	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	

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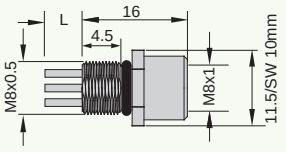
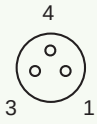
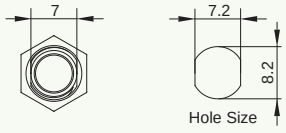
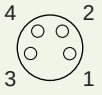
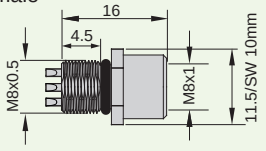
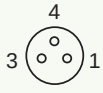
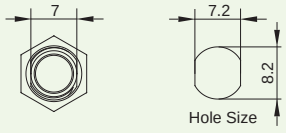
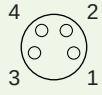
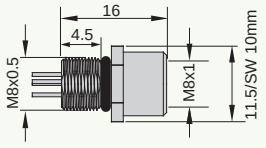
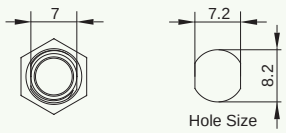
Field wireable connector	Type NO.	ID NO.	Features	Pinout
M8x1 Right angle Female Solder cup 	SLK3212-0/L	10091508	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	
	SLK4212-0/L	10091509	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	
M8x1 Right angle Male Solder cup 	SLZ3212-0/L	10091510	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	
	SLZ4212-0/L	10091511	PA6+GF,Black/Brass M10 Cable gland Accept 3.5~5mm cable diameter Solder cup 85°C , 60V, 4 A	

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M8 front mount receptacle



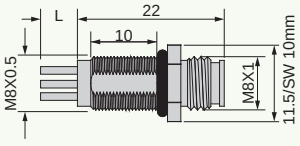
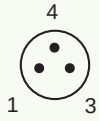
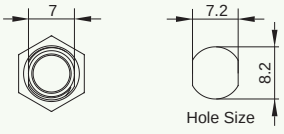
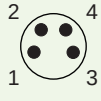
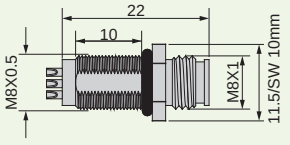
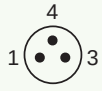
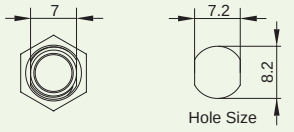
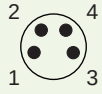
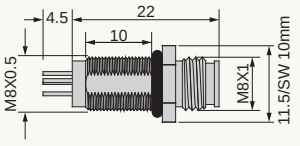
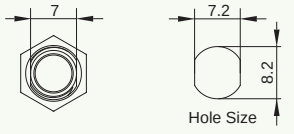


Receptacle	Type NO.	ID NO.	Features	Pinout
M8x1 Front mount with wire Female 	FSK32-0.5/M8 FSK32-1.0/M8	10043000 10043001	3x0.25mm² PVC 105°C 125VAC/DC 4A	 1.BN 3.BU 4.BK
	FSK42-0.5/M8 FSK42-1.0/M8	10043115 10043116	4x0.25mm² PVC 105°C 125VAC/DC 2A	 1.BN 2.WH 3.BU 4.BK
M8x1 Front mount with Solder Cups Female 	FSK32-L/M8	10043117	Accept 0.34mm² max 80°C 125VAC/DC 4A	
	FSK42-L/M8	10043118	Accept 0.34mm² max 80°C 125VAC/DC 2A	
M8x1 Front Mount with PCB Pins Female 	FSK32-P/M8	10043002	3XØ0.6mm 80°C 125VAC/DC 4A	 X Y 1 1.75 0.00 2 – – 3 -1.75 0.00 4 0.00 1.75
	FSK42-P/M8	10043132	4xØ0.6mm 80°C 125VAC/DC 2A	 X Y 1 1.70 -0.50 2 1.08 1.45 3 -1.70 -0.50 4 -1.08 1.45

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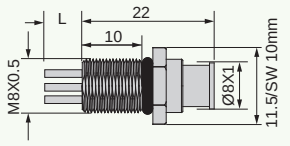
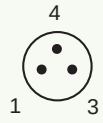
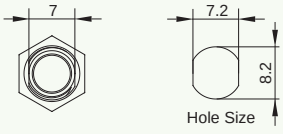
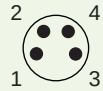
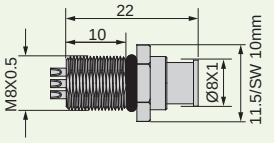
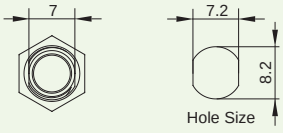
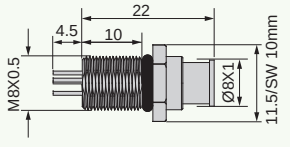
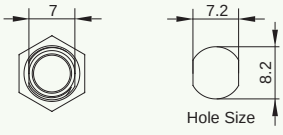
Receptacle	Type NO.	ID NO.	Features	Pinout
M8x1 Front mount with wire Male 	FSZ32-0.5/M8 FSZ32-1.0/M8	10043100 10043101	3x0.25mm² PVC 105°C 125VAC/DC 4A	 1.BN 3.BU 4.BK
	FSZ42-0.5/M8 FSZ42-1.0/M8	10043121 10043122	4x0.25mm² PVC 105°C 125VAC/DC 2A	 1.BN 2.WH 3.BU 4.BK
M8x1 Front mount with Solder Cups Male 	FSZ32-L/M8	10043119	Accept 0.34mm² max 80°C 125VAC/DC 4A	
	FSZ42-L/M8	10043120	Accept 0.34mm² max 80°C 125VAC/DC 2A	
M8x1 Front Mount with PCB Pins Male 	FSZ32-P/M8	10043102	3XØ0.6mm 80°C 125VAC/DC 4A	 X Y 1 -1.75 0.00 2 – – 3 1.75 0.00 4 0.00 1.75
	FSZ42-P/M8	10043127	4XØ0.6mm 80°C 125VAC/DC 2A	 X Y 1 -1.70 -0.50 2 -1.08 1.45 3 1.70 -0.50 4 1.08 1.45

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Ø8 front mount receptacle



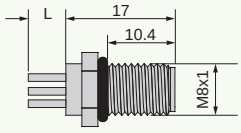
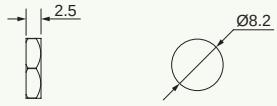
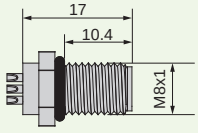
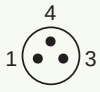
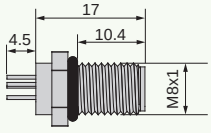


Receptacle	Type NO.	ID NO.	Features	Pinout
Ø8x1 Front mount with wire Male 	FRZ32-0.5/M8 FRZ32-1.0/M8	10043133 10043134	3x0.25mm² PVC 105°C 125VAC/DC 4A	 1.BN 3.BU 4.BK
	FRZ42-0.5/M8 FRZ42-1.0/M8	10043121 10043122	4x0.25mm² PVC 105°C 125VAC/DC 2A	 1.BN 2.WH 3.BU 4.BK
Ø8x1 Front mount with Solder Cups Male 	FRZ32-L/M8	10043135	Accept 0.34mm² max 80°C 125VAC/DC 4A	
	FRZ42-L/M8	10043136	Accept 0.34mm² max 80°C 125VAC/DC 2A	
Ø8x1 Front Mount with PCB Pins Male 	FRZ32-P/M8	10043137	3XØ0.6mm 80°C 125VAC/DC 4A	 X Y 1 -1.75 0.00 2 – – 3 1.75 0.00 4 0.00 1.75
	FRZ42-P/M8	10043138	4XØ0.6mm 80°C 125VAC/DC 2A	 X Y 1 -1.70 -0.50 2 -1.08 1.45 3 1.70 -0.50 4 1.08 1.45

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Receptacle	Type NO.	ID NO.	Features	Pinout
M8x1 Rear Mount with wire Female  	FSZ31-0.5/M8 FSZ31-1.0/M8	10043139 10043140	3x0.25mm² PVC 105°C 125VAC/DC 4A	 1.BN 3.BU 4.BK
	FSZ41-0.5/M8 FSZ41-1.0/M8	10043141 10043142	4x0.25mm² PVC 105°C 125VAC/DC 2A	 1.BN 2.WH 3.BU 4.BK
M8x1 Rear Mount with Solder Cups Female  	FSZ31-L/M8	10043143	Accept 0.34mm² max 80°C 125VAC/DC 4A	
	FSZ41-L/M8	10043123	Accept 0.34mm² max 80°C 125VAC/DC 2A	
M8x1 Rear Mount with PCB Pins Female  	FSZ31-P/M8	10043144	3XØ0.6mm 80°C 125VAC/DC 4A	
	FSZ41-P/M8	10043124	4XØ0.6mm 80°C 125VAC/DC 2A	

	X	Y
1	-1.75	0.00
2	–	–
3	1.75	0.00
4	0.00	1.75

	X	Y
1	-1.70	-0.50
2	-1.08	1.45
3	1.70	-0.50
4	1.08	1.45

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M12 Industrial Connectors

M12 pre-moulding connectivity part number key

E	P	L	K	4	P	2	–	2M	/	P00	/	GY	20	/	CYE	HYE	/	T00
1	2	3	4	5	6	7		8		9		10	11		12	13		14

1 E M12X1 Connector

2
- P Profibus-DP
- I Ethernet
- N Devicenet
- Blank I/O
- R RFID
- Q Quick-Connect Cordsets
- WD Stainless steel coupling nuts
- B B-Code

3
- Blank Straight
- L Right angle

4
- K Female
- Z Male

5 Number of pins
Contact distribution

6 LED Options
- P PNP
- N NPN

7 Number of LED indicator

8 Length [m]

9 Cable Jacket

10 Color of cable
- Blank Standard color
- BU Blue（customization）
- YE Yellow（customization）
- GY Gray（customization）
- WH White（customization）
- OR Orange（customization）

11 Wire gauge
- Blank Standard wire gauge
- 2-5 pins 22AWG(0.34mm$_2$)
- 6-12pins 24AWG(0.25mm$_2$)
- 20 20AWG:0.5mm$_2$（customization）
- 18 18AWG:0.75mm$_2$（customization）

12 Color of contact carrier
- Blank Standard black
- CYE Yellow contact carrier（customization）
- CRD Yellow contact carrier（customization）

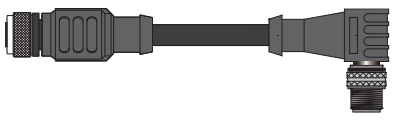
13 Color of plug body
- Blank Standard black
- HYE Plug body yellow（customization）
- HBU Plug body blue（customization）

14 Varieties

Extension Examples



EK3 EZ3-2M/P00



EK3 ELZ3-2M/P00



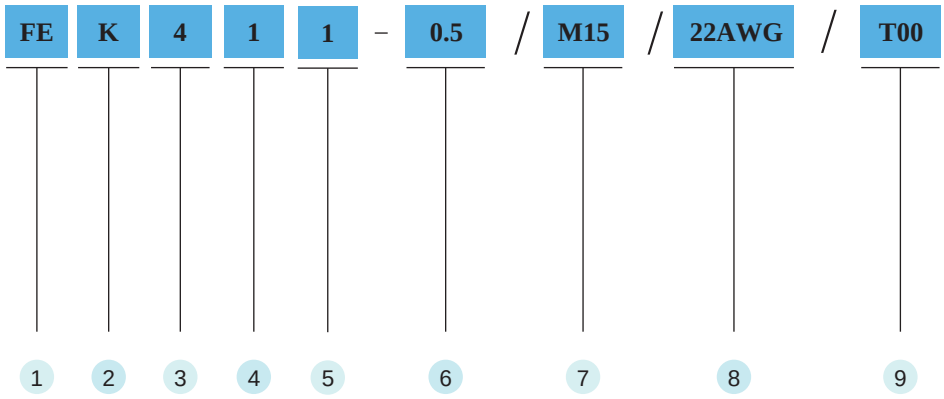
ELK3 EZ3-2M/P00



ELK3 ELZ3-2M/P00

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法兰连接器命名规则



1 FE M12 Receptacle

2 K Female
Z Male

3 Number of pins

4 Termination（mounting style）
1 Rear mount
2 Front moumt

5 Blank Long type
1 Short Type

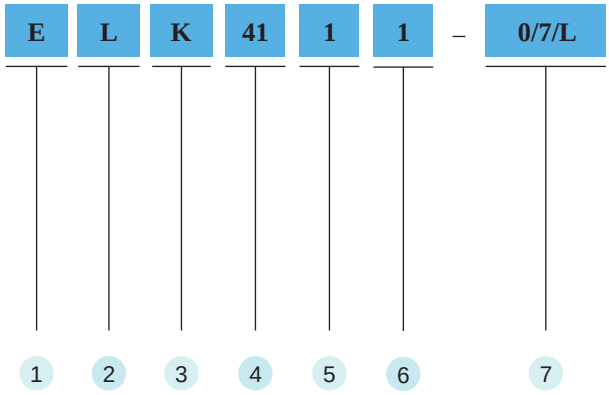
6 Length of cable 0.5=0.5m
L Solder cup
P PCB pins

7 Thread Type（Connection thread）
M15 M15X1.5
Blank PG9
NPT 1/2-14NPT
NPSM 1/2-14NPSM
RS14 Rectangular screw connection（screw pitch 14mm）

8 Wire gauge of cable
Blank 2-5pins 22AWG, 6-12pins 24AWG

9 Varieties

Field wireable connector part number key



1 E M12x1 Field wireable connector

2 L Right angle
Blank Straight

3 K Female
Z Male

4 Number of pin/material of pin
1 Ag plated brass
2 Au plated brass

5 1 A-code
2 B-code
3 D-code
4 T-code

6 Housing material
1 Plastic housing, nylon coupling nut
2 Plastic housing,metal coupling nut
3 Plastic housing,VA-metal coupling nut
4 Transparent plastic housing, plastic coupling nut
5 Transparent plastic housing, metal coupling nut
8 Metal housing

7 Thread Type（connection thread）
0:Single cable 1:Dual cable

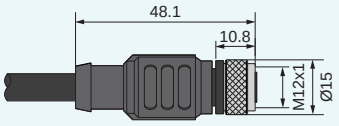
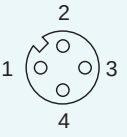
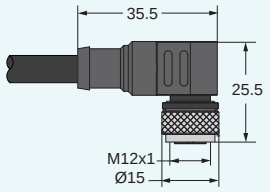
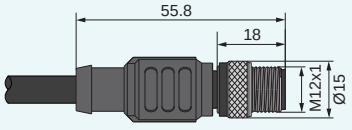
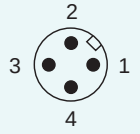
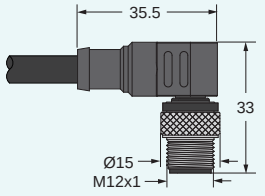
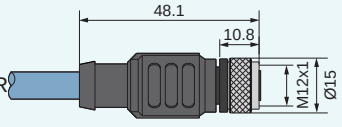
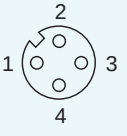
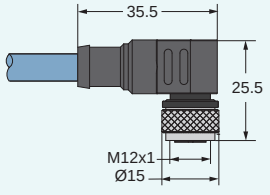
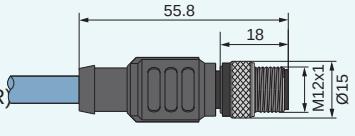
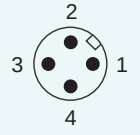
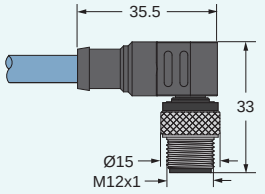
Cable opening 7,9 ,11(PG7,9,11)

Termination Blank Screw terminals
L Solder cup

2pins M12 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:max.250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK4.2-2M/P00 EK4.2-5M/P00 EK4.2-10M/P00	10019000 10019001 10019002	PVC/Black 2x22AWG Ø5.2mm Cable Type NO. : CS022202-*M	Female  1.N/C 2.N/C 3.BN 4.BU
Right angle Female ELK..** 	ELK4.2-2M/P00 ELK4.2-5M/P00 ELK4.2-10M/P00	10019020 10019021 10019022		
Straight Male EZ..** 	EZ4.2-2M/P00 EZ4.2-5M/P00 EZ4.2-10M/P00	10019010 10019011 10019012	PVC/Black 2x22AWG Ø5.2mm Cable Type NO. : CS022202-*M	Male  1.N/C 2.N/C 3.BN 4.BU
Right angle Male ELZ..** 	ELZ4.2-2M/P00 ELZ4.2-5M/P00 ELZ4.2-10M/P00	10019030 10019031 032		
Straight Female EK..** (NAMUR) 	EK4.21-2M/P00 EK4.21-5M/P00 EK4.21-10M/P00	10016000 10016001 10016002	PVC/Blue 2x22AWG Ø5.2mm Cable Type NO. : CS022201-*M	Female  1.BN 2.BU 3.N/C 4.N/C
Right angle Female ELK..** (NAMUR) 	ELK4.21-2M/P00 ELK4.21-5M/P00 ELK4.21-10M/P00	10016010 10016011 10016012		
Straight Male EZ..** (NAMUR) 	EZ4.21-2M/P00 EZ4.21-5M/P00 EZ4.21-10M/P00	10016020 10016021 10016022	PVC/Blue 2x22AWG Ø5.2mm Cable Type NO. : CS022201-*M	Male  1.BN 2.BU 3.N/C 4.N/C
Right angle Male ELZ..** (NAMUR) 	ELZ4.21-2M/P00 ELZ4.21-5M/P00 ELZ4.21-10M/P00	10016030 10016031 10016032		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

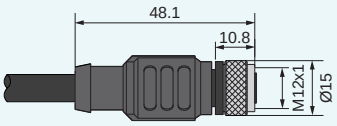
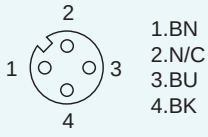
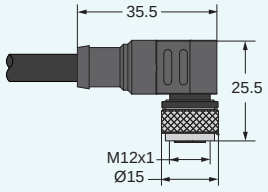
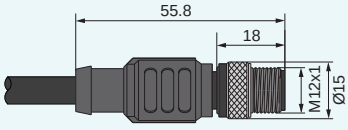
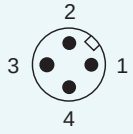
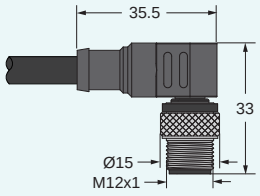
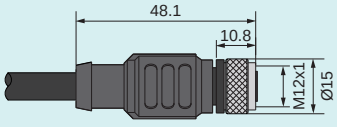
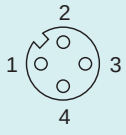
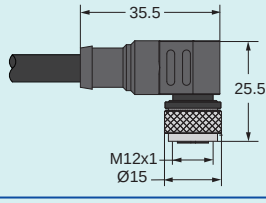
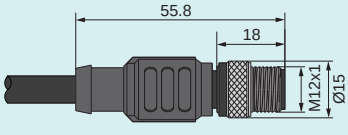
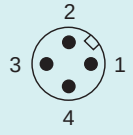
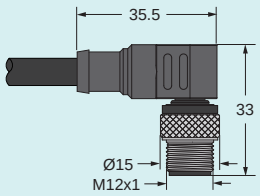
** Standard coupling nut material is nickel plated brass

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www.bce.it - E-mail: bce@bce.it

3pins/4pins M12 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:max.250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK3-2M/P00 EK3-5M/P00 EK3-10M/P00	10011000 10011001 10011002	PVC/Black 3x22AWG Ø5.2mm Cable Type NO. : CS032200-*M	Female  1.BN 2.N/C 3.BU 4.BK
Right angle Female ELK..** 	ELK3-2M/P00 ELK3-5M/P00 ELK3-10M/P00	10011030 10011031 10011032		
Straight Male EZ..** 	EZ3-2M/P00 EZ3-5M/P00 EZ3-10M/P00	10011060 10011061 10011062	PVC/Black 3x22AWG Ø5.2mm Cable Type NO. : CS032200-*M	Male  1.BN 2.N/C 3.BU 4.BK
Right angle Male ELZ..** 	ELZ3-2M/P00 ELZ3-5M/P00 ELZ3-10M/P00	10011090 10011091 10011092		
Straight Female EK..** 	EK4-2M/P00 EK4-5M/P00 EK4-10M/P00	10011010 10011011 10011012	PVC/Black 4x22AWG Ø5.2mm Cable Type NO. : CS042200-*M	Female  1.BN 2.WH 3.BU 4.BK
Right angle Female ELK..** 	ELK4-2M/P00 ELK4-5M/P00 ELK4-10M/P00	10011040 10011041 10011042		
Straight Male EZ..** 	EZ4-2M/P00 EZ4-5M/P00 EZ4-10M/P00	10011070 10011071 10011072	PVC/Black 4x22AWG Ø5.2mm Cable Type NO. : CS042200-*M	Male  1.BN 2.WH 3.BU 4.BK
Right angle Male ELZ..** 	ELZ4-2M/P00 ELZ4-5M/P00 ELZ4-10M/P00	10011100 10011101 10011102		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

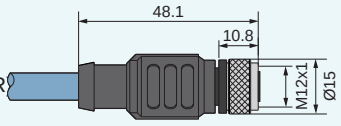
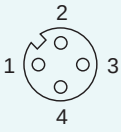
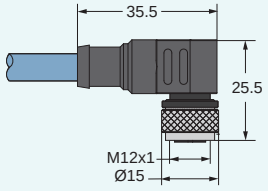
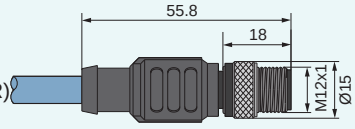
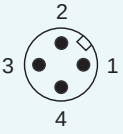
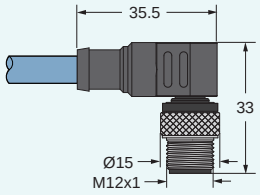
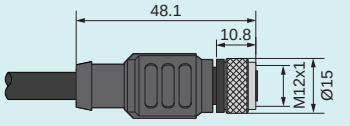
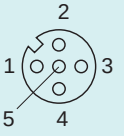
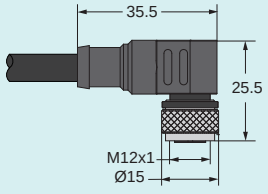
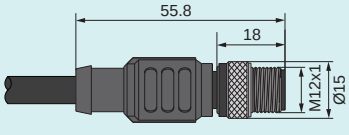
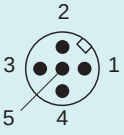
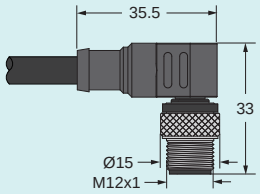
** Standard coupling nut material is nickel plated brass

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4pins/5pins M12 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:max.250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** (NAMUR) 	EK4.41-2M/P00 EK4.41-5M/P00 EK4.41-10M/P00	10016300 10016301 10016302	PVC/Blue 4x22AWG Ø5.2mm Cable Type NO. : CS042203-*M	Female  1.BN 2.WH 3.BU 4.BK
Right angle Female ELK..** (NAMUR) 	ELK4.41-2M/P00 ELK4.41-5M/P00 ELK4.41-10M/P00	10016310 10016311 10016312		
Straight Male EZ..** (NAMUR) 	EZ4.41-2M/P00 EZ4.41-5M/P00 EZ4.41-10M/P00	10016320 10016321 10016322	PVC/Blue 4x22AWG Ø5.2mm Cable Type NO. : CS042203-*M	Male  1.BN 2.WH 3.BU 4.BK
Right angle Male ELZ..** (NAMUR) 	ELZ4.41-2M/P00 ELZ4.41-5M/P00 ELZ4.41-10M/P00	10016330 10016331 10016332		
Straight Female EK..** 	EK4.5-2M/P00 EK4.5-5M/P00 EK4.5-10M/P00	10011020 10011021 10011022	PVC/Black 5x22AWG Ø5.2mm Cable Type NO. : CS052200-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GY
Right angle Female ELK..** 	ELK4.5-2M/P00 ELK4.5-5M/P00 ELK4.5-10M/P00	10011050 10011051 10011052		
Straight Male EZ..** 	EZ4.5-2M/P00 EZ4.5-5M/P00 EZ4.5-10M/P00	10011080 10011081 10011082	PVC/Black 5x22AWG Ø5.2mm Cable Type NO. : CS052200-*M	Male  1.BN 2.WH 3.BU 4.BK 5.GY
Right angle Male ELZ..** 	ELZ4.5-2M/P00 ELZ4.5-5M/P00 ELZ4.5-10M/P00	10011110 10011111 10011112		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

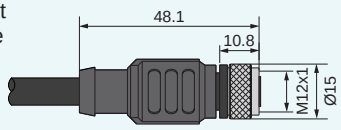
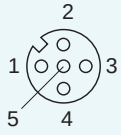
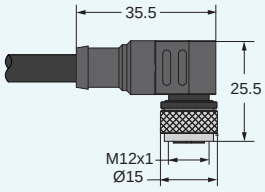
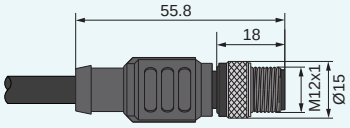
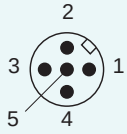
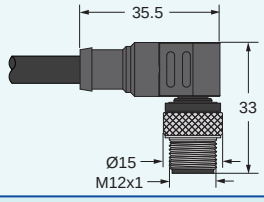
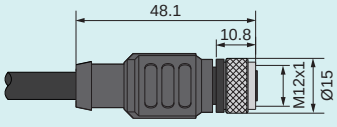
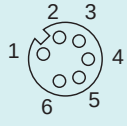
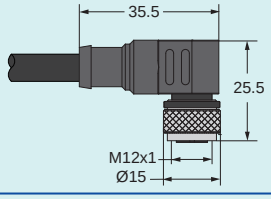
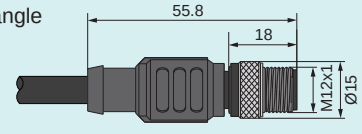
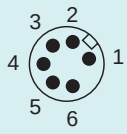
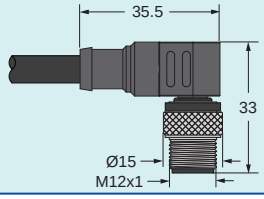
** Standard coupling nut material is nickel plated brass

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5pins/6pins M12 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:5pins 4A 6pins 2A
- Rated voltage:5pins 250V 6pins 60V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK5-2M/P00 EK5-5M/P00 EK5-10M/P00	10011500 10011501 10011502	PVC/Black 4x22+1x20AWG Ø5.2mm Cable Type NO. : CS052011-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GN/YE
Right angle Female ELK..** 	ELK5-2M/P00 ELK5-5M/P00 ELK5-10M/P00	10011520 10011521 10011522		
Straight Male EZ..** 	EZ5-2M/P00 EZ5-5M/P00 EZ5-10M/P00	10011510 10011511 10011512	PVC/Black 4x22+1x20AWG Ø5.2mm Cable Type NO. : CS052011-*M	Male  1.BN 2.WH 3.BU 4.BK 5.GN/YE
Right angle Male ELZ..** 	ELZ5-2M/P00 ELZ5-5M/P00 ELZ5-10M/P00	10011530 10011531 10011532		
Straight Female EK..** 	EK6-2M/P00 EK6-5M/P00 EK6-10M/P00	10011600 10011601 10011602	PVC/Black 6x24AWG Ø5.6mm Cable Type NO. : CS062400-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
Right angle Female ELK..** 	ELK6-2M/P00 ELK6-5M/P00 ELK6-10M/P00	10011610 10011611 10011612		
Right angle Male EZ..** 	EZ6-2M/P00 EZ6-5M/P00 EZ6-10M/P00	10011620 10011621 10011622	PVC/Black 6x24AWG Ø5.6mm Cable Type NO. : CS062400-*M	Male  1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
Right angle Male ELZ..** 	ELZ6-2M/P00 ELZ6-5M/P00 ELZ6-10M/P00	10011630 10011631 10011632		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

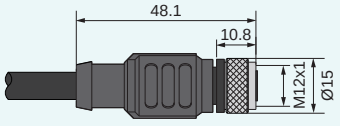
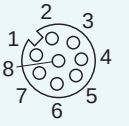
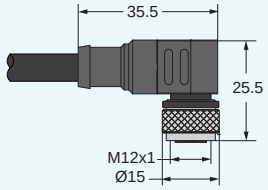
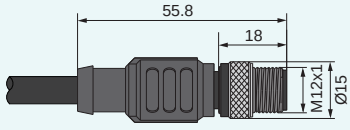
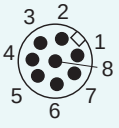
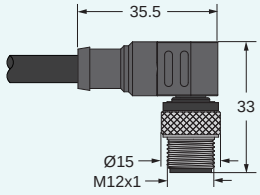
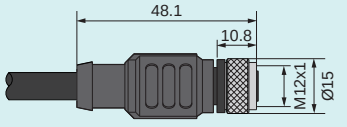
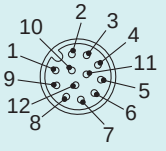
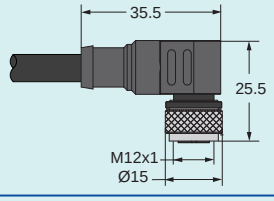
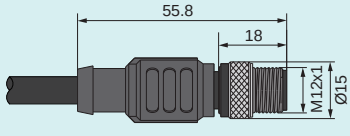
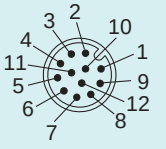
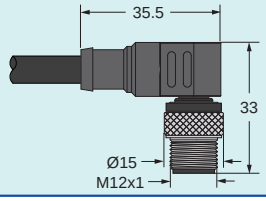
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8pins/12pins M12 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:2A
- Rated voltage:60V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK8-2M/P00 EK8-5M/P00 EK8-10M/P00	10011800 10011801 10011802	PVC/Black 8x24AWG Ø6.2mm Cable Type NO. : CS082400-*M	Female  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
Right angle Female ELK..** 	ELK8-2M/P00 ELK8-5M/P00 ELK8-10M/P00	10011810 10011811 10011812		
Straight Male EZ..** 	EZ8-2M/P00 EZ8-5M/P00 EZ8-10M/P00	10011820 10011821 10011822	PVC/Black 8x24AWG Ø6.2mm Cable Type NO. : CS082400-*M	Male  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
Right angle Male ELZ..** 	ELZ8-2M/P00 ELZ8-5M/P00 ELZ8-10M/P00	10011830 10011831 10011832		
Straight Female EK..** 	EK12-2M/P00 EK12-5M/P00 EK12-10M/P00	10011900 10011901 10011902	PVC/Black 12x24AWG Ø7.3mm Cable Type NO. : CS122200-*M	Female  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD 9.OG 10.TN 11.BK 12.VT
Right angle Female ELK..** 	ELK12-2M/P00 ELK12-5M/P00 ELK12-10M/P00	10011910 10011911 10011912		
Straight Male EZ..** 	EZ12-2M/P00 EZ12-5M/P00 EZ12-10M/P00	10011920 10011921 10011922	PVC/Black 12x24AWG Ø7.3mm Cable Type NO. : CS122200-*M	Male  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD 9.OG 10.TN 11.BK 12.VT
Right angle Male ELZ..** 	ELZ12-2M/P00 ELZ12-5M/P00 ELZ12-10M/P00	10011930 10011931 10011932		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

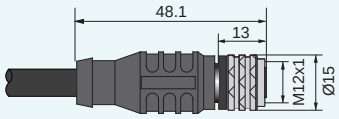
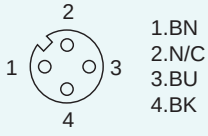
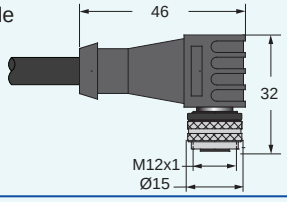
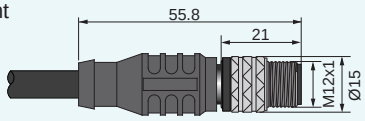
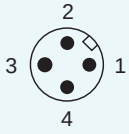
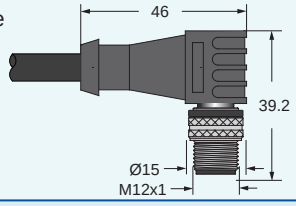
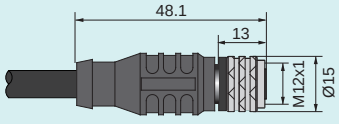
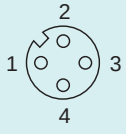
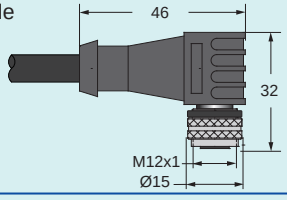
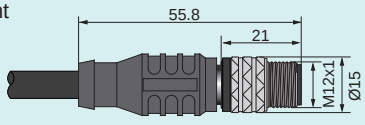
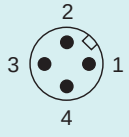
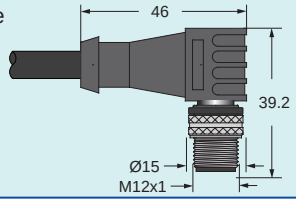
** Standard coupling nut material is nickel plated brass

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3pins/4pins M12 360°Shielded Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:max.250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree :3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK3-2M/S10 EK3-5M/S10 EK3-10M/S10	10011300 10011301 10011302	Black PVC Shielded Cable 3x22AWG Ø5.2mm Cable Type NO. : CS032210-*M	Female  1.BN 2.N/C 3.BU 4.BK
Right angle Female ELK..** 	ELK3-2M/S10 ELK3-5M/S10 ELK3-10M/S10	10011320 10011321 10011322		
Straight Male EZ..** 	EZ3-2M/S10 EZ3-5M/S10 EZ3-10M/S10	10011340 10011341 10011342	Black PVC Shielded Cable 3x22AWG Ø5.2mm Cable Type NO. : CS032210-*M	Male  1.BN 2.N/C 3.BU 4.BK
Right angle Male ELZ..** 	ELZ3-2M/S10 ELZ3-5M/S10 ELZ3-10M/S10	10011360 10011361 10011362		
Straight Female EK..** 	EK4-2M/S10 EK4-5M/S10 EK4-10M/S10	10011310 10011311 10011312	Black PVC Shielded Cable 4x22AWG Ø5.2mm Cable Type NO. : CS042205-*M	Female  1.BN 2.WH 3.BU 4.BK
Right angle Female ELK..** 	ELK4-2M/S10 ELK4-5M/S10 ELK4-10M/S10	10011330 10011331 10011332		
Straight Male EZ..** 	EZ4-2M/S10 EZ4-5M/S10 EZ4-10M/S10	10011350 10011351 10011352	Black PV Shielded Cable 4x22AWG Ø5.2mm Cable Type NO. : CS042205-*M	Male  1.BN 2.WH 3.BU 4.BK
Right angle Male ELZ..** 	ELZ4-2M/S10 ELZ4-5M/S10 ELZ4-10M/S10	10011370 10011371 10011372		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

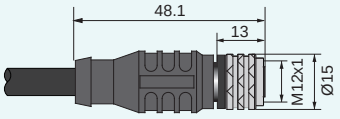
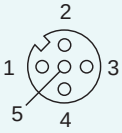
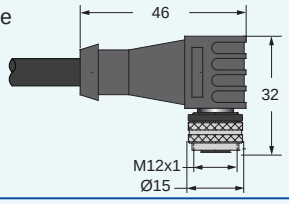
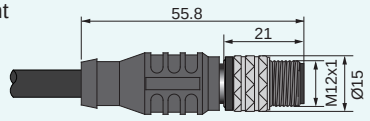
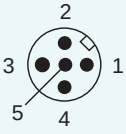
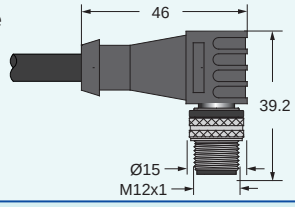
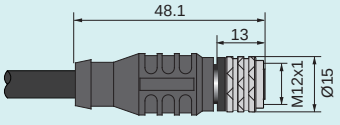
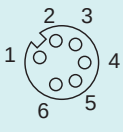
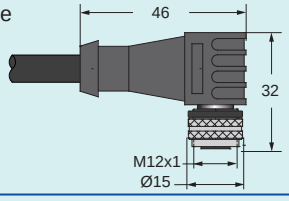
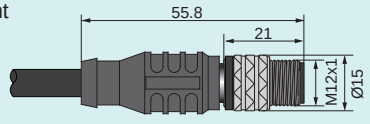
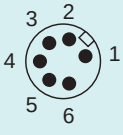
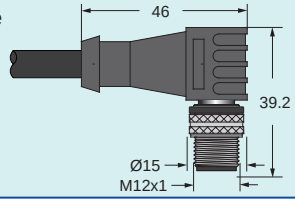
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www.bce.it - E-mail: bce@bce.it

4.5pins/6pins M12 360°Shielded Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:5 pins 250V 6 pins 60V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK4.5-2M/S10 EK4.5-5M/S10 EK4.5-10M/S10	10011315 10011316 10011317	Black PVC Shielded Cable 5x22AWG Ø5.2mm Cable Type NO. : CS052210-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GY
Right angle Female ELK..** 	ELK4.5-2M/S10 ELK4.5-5M/S10 ELK4.5-10M/S10	10011345 10011348 10011349		
Straight Male EZ..** 	EZ4.5-2M/S10 EZ4.5-5M/S10 EZ4.5-10M/S10	10011355 10011356 10011357	Black PVC Shielded Cable 5x22AWG Ø5.2mm Cable Type NO. : CS052210-*M	Male  1.BN 2.WH 3.BU 4.BK 5.GY
Right angle Male ELZ..** 	ELZ4.5-2M/S10 ELZ4.5-5M/S10 ELZ4.5-10M/S10	10011380 10011381 10011382		
Straight Female EK..** 	EK6-2M/S10 EK6-5M/S10 EK6-10M/S10	10016600 10016601 10016602	Black PVC Shielded Cable 6x24AWG Ø5.6mm Cable Type NO. : CS062410-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
Right angle Female ELK..** 	ELK6-2M/S10 ELK6-5M/S10 ELK6-10M/S10	10016620 10016621 10016622		
Straight Male EZ..** 	EZ6-2M/S10 EZ6-5M/S10 EZ6-10M/S10	10016610 10016611 10016612	Black PVC Shielded Cable 6x24AWG Ø5.6mm Cable Type NO. : CS062410-*M	Male  1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
Right angle Male ELZ..** 	ELZ6-2M/S10 ELZ6-5M/S10 ELZ6-10M/S10	10016630 10016631 10016632		

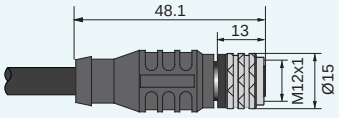
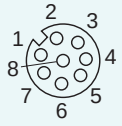
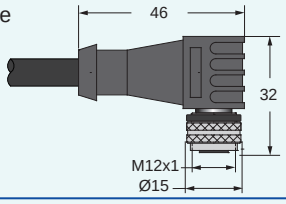
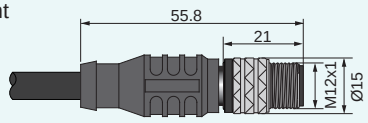
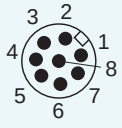
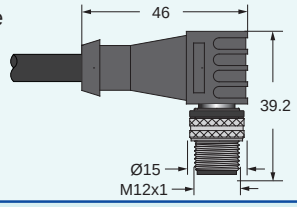
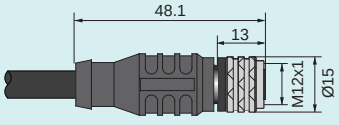
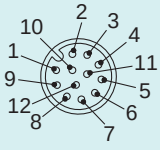
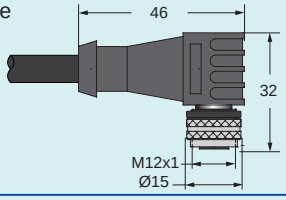
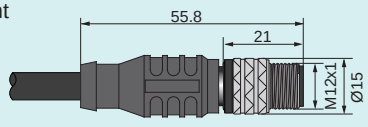
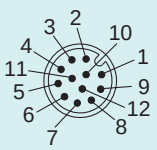
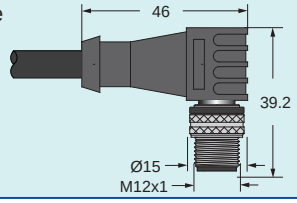
* Standard cable lengths are 2/5/10M, Consult factory for other lengths ** Standard coupling nut material is nickel plated brass

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8pins M12 360°Shielded Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:2A
- Rated voltage:60V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK8-2M/S10 EK8-5M/S10 EK8-10M/S10	10016640 10016641 10016642	Black PVC Shielded Cable 8x24AWG Ø6.2mm Cable Type NO. : CS082410-*M	Female  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
Right angle Female ELK..** 	ELK8-2M/S10 ELK8-5M/S10 ELK8-10M/S10	10016660 10016661 10016662		
Straight Male EZ..** 	EZ8-2M/S10 EZ8-5M/S10 EZ8-10M/S10	10016650 10016651 10016652	Black PVC Shielded Cable 8x24AWG Ø6.2mm Cable Type NO. : CS082410-*M	Male  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
Right angle Male ELZ..** 	ELZ8-2M/S10 ELZ8-5M/S10 ELZ8-10M/S10	10016670 10016671 10016672		
Straight Female EK..** 	EK12-2M/S10 EK12-5M/S10 EK12-10M/S10	10110315 10110316 10011901	Black PVC Shielded Cable 12x24AWG Ø7.3mm Cable Type NO. : CS122200-*M	Female  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD 9.OG 10.TN 11.BK 12.VT
Right angle Female ELK..** 	ELK12-2M/S10 ELK12-5M/S10 ELK12-10M/S10	10016369 10011911 10011936		
Straight Male EZ..** 	EZ12-2M/S10 EZ12-5M/S10 EZ12-10M/S10	10019056 10019062 10019033	Black PVC Shielded Cable 12x24AWG Ø7.3mm Cable Type NO. : CS122200-*M	Male  1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD 9.OG 10.TN 11.BK 12.VT
Right angle Male ELZ..** 	ELZ12-2M/S10 ELZ12-5M/S10 ELZ12-10M/S10	10019011 10019012 10019013		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

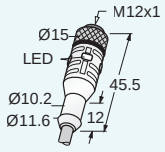
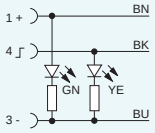
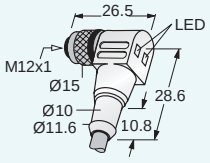
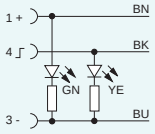
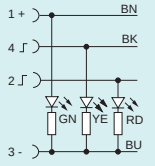
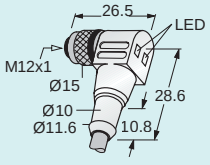
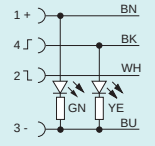
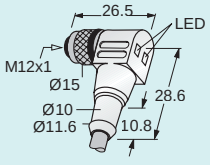
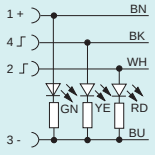
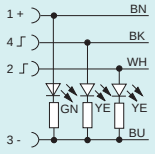
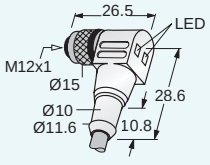
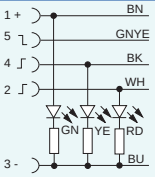
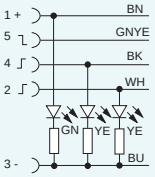
** Standard coupling nut material is nickel plated brass

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www.bce.it - E-mail: bce@bce.it

3pins/4pins/5pins M12 with LEDs Pre-moulding connector

- Plug body:TPU/Transparent
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:10-30VDC
- Insulation resistance:≥$10^9\Omega$
- Forward resistance:≤5mΩ
- Pollution degree :3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EK..** 	EK3P2-2M/P00 EK3P2-5M/P00 EK3P2-10M/P00	10016700 10016701 10016702	PVC/Black 3x22AWG Ø5.2mm Cable Type NO. : CS032200-*M	
Right angle Female ELK..** 	ELK3P2-2M/P00 ELK3P2-5M/P00 ELK3P2-10M/P00	10016710 10016711 10016712		
Straight Female EK..** 	EK4P3-2M/P00 EK4P3-5M/P00 EK4P3-10M/P00	10016730 10016731 10016732	PVC/Black 4x22AWG Ø5.2mm Cable Type NO. : CS042200-*M	
Right angle Female ELK..** 	ELK4P2-2M/P00 ELK4P2-5M/P00 ELK4P2-10M/P00	10016740 10016741 10016742		
Right angle Female ELK..** 	ELK4P3-2M/P00 ELK4P3-5M/P00 ELK4P3-10M/P00	10016750 10016751 10016752	PVC/Black 4x22AWG Ø5.2mm Cable Type NO. : CS042200-*M	
	ELK4P3.1-2M/P00 ELK4P3.1-5M/P00 ELK4P3.1-10M/P00	10016760 10016761 10016762		
Right angle Female ELK..** 	ELK5P3-2M/P00 ELK5P3-5M/P00 ELK5P3-10M/P00	10016770 10016771 10016772	PVC/Black 4x22+1x20AWG Ø5.2mm Cable Type NO. : CS052011-*M	
	ELK5P3.1-2M/P00 ELK5P3.1-5M/P00 ELK5P3.1-10M/P00	10016780 10016781 10016782		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

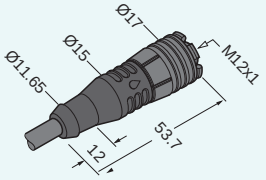
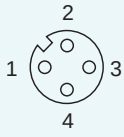
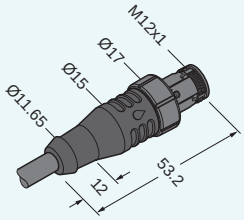
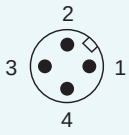
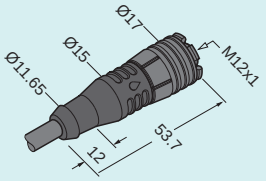
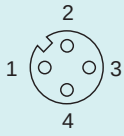
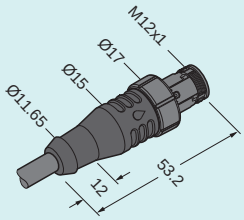
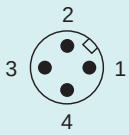
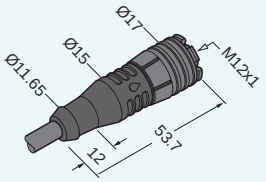
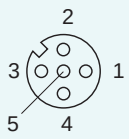
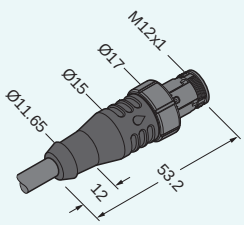
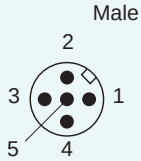
** Standard coupling nut material is nickel plated brass

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www.bce.it - E-mail: bce@bce.it

- Plug body:TPU/Black
- Coupling nut:PBT
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:4A
- Rated voltage:max.250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100





Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female EQK..** 	EQK3-2M/P00 EQK3-5M/P00 EQK3-10M/P00	10018000 10018001 10018002	PVC/Black 3x22AWG Ø5.2mm Cable Type NO. : CS032200-*M	Female  1.BN 2.N/C 3.BU 4.BK
Straight Male EQZ..** 	EQZ3-2M/P00 EQZ3-5M/P00 EQZ3-10M/P00	10018030 10018031 10018032		Male  1.BN 2.N/C 3.BU 4.BK
Straight Female EQK..** 	EQK4-2M/P00 EQK4-5M/P00 EQK4-10M/P00	10018010 10018011 10018012	PVC/Black 4x22AWG Ø5.2mm Cable Type NO. : CS042200-*M	Female  1.BN 2.WH 3.BU 4.BK
Straight Male EQZ..** 	EQZ4-2M/P00 EQZ4-5M/P00 EQZ4-10M/P00	10018040 10018041 10018042		Male  1.BN 2.WH 3.BU 4.BK
Straight Female EQK..** 	EQK5-2M/P00 EQK5-5M/P00 EQK5-10M/P00	10018020 10018021 10018022	PVC/Black 4x22+1x20AWG Ø5.2mm Cable Type NO. : CS052011-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GNYE
Straight Male EQZ..** 	EQZ5-2M/P00 EQZ5-5M/P00 EQZ5-10M/P00	10018050 10018051 10018052		Male  1.BN 2.WH 3.BU 4.BK 5.GNYE

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

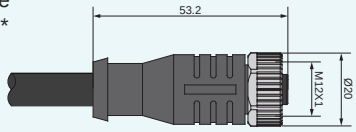
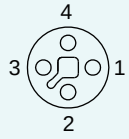
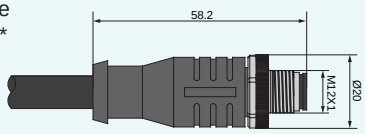
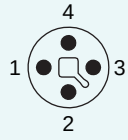
** Standard coupling nut material is nickel plated brass

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4pins M12 T-Code Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Rated current:12A
- Rated voltage:60V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤3mΩ
- Pollution degree:3
- Temperature range:-25...+80℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female ETK..** 	ETK4-2M/P00 ETK4-5M/P00 ETK4-10M/P00	10019014 10019015 10019016	PVC/Black 4x16AWG Ø8.5mm Cable Type NO. : CS041608-*M	Female  1.BN 2.WH 3.BU 4.BK
Right angle Female ETZ..** 	ETZ4-2M/P00 ETZ4-5M/P00 ETZ4-10M/P00	10019017 10019018 10019019		Male  1.BN 2.WH 3.BU 4.BK

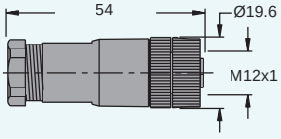
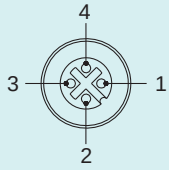
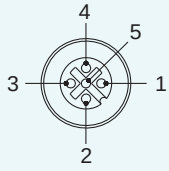
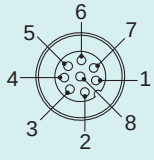
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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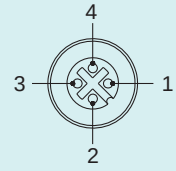
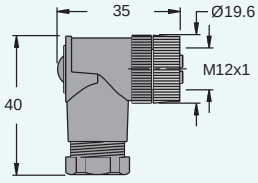
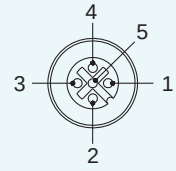
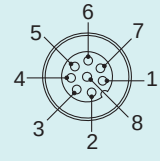


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals 	EK4111-0/7	10091005	PA6+GF,Black/PA,Black PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK4111-0/9	10091006	PA6+GF, Black/PA,Black PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK5111-0/7	10091008	PA6+GF, Black/PA,Black PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EK5111-0/9	10091007	PA6+GF, Black/PA,Black PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EK8111-0/7	10091249	PA6+GF, Black/PA,Black PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Core Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	EK8111-0/9	10091097	PA6+GF, Black/PA,Black PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Core Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	EK8111-0/11	10091071	PA6+GF, Black/PA,Black PG 11 cable gland Accepts 8-10 mm cable diameter Accepts 0.5 mm² Max. Core Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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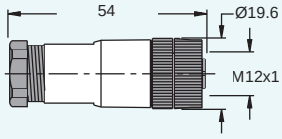
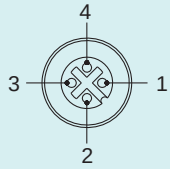
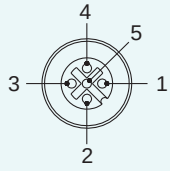
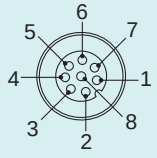


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals	ELK4111-0/7	10091015	PA6+GF, Black/PA,Black PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	ELK4111-0/9	10091016	PA6+GF, Black/PA,Black PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	ELK5111-0/7	10091018	PA6+GF, Black/PA,Black PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	ELK5111-0/9	10091017	PA6+GF, Black/PA,Black PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	ELK8111-0/7	10091072	PA6+GF, Black/PA,Black PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	ELK8111-0/9	10091073	PA6+GF, Black/PA,Black PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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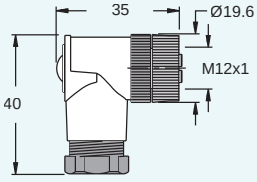
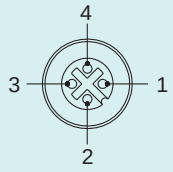
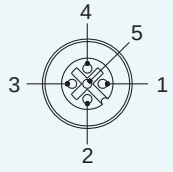
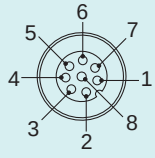


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals 	EK4114-0/7	10091025	PBT, Transparent/PA6+GF,Black coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK4114-0/9	10091026	PBT, Transparent/PA6+GF,Black coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK5114-0/7	10091028	PBT, Transparent/PA6+GF,Black coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EK5114-0/9	10091027	PBT, Transparent/PA6+GF,Black coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EK8114-0/7	10091075	PBT, Transparent/PA6+GF,Black coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	EK8114-0/9	10091076	PBT, Transparent/PA6+GF,Black coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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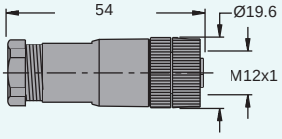
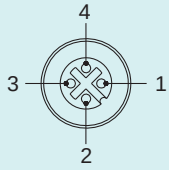
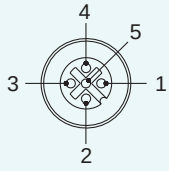
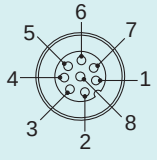
Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Right angle Female Screw terminals 	ELK4114-0/7	10091050	PBT, Transparent/PA6+GF,Black coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	ELK4114-0/9	10091051	PBT, Transparent/PA6+GF,Black coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	ELK5114-0/7	10091052	PBT, Transparent/PA6+GF,Black coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	ELK5114-0/9	10091053	PBT, Transparent/PA6+GF,Black coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	ELK8114-0/7	10091130	PBT, Transparent/PA6+GF,Black coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	ELK8114-0/9	10091131	PBT, Transparent/PA6+GF,Black coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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4pins/5pins/8pins M12 field wirable connector with plastic housing metal coupling nut





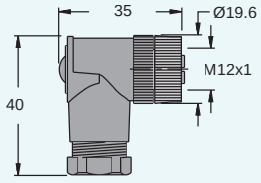
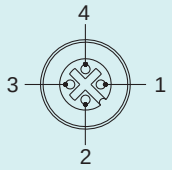
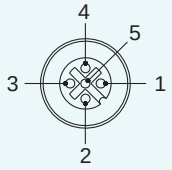
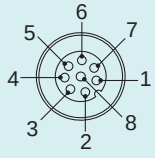
Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals 	EK4112-0/7	10091000	PBT, Black, nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK4112-0/9	10091001	PBT, Black, nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK5112-0/7	10091002	PBT, Black, nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK5112-0/9	10091003	PBT, Black, nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK8112-0/7	10091256	PBT, Black, nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	EK8112-0/9	10091004	PBT, Black, nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
	EK8112-0/11	10091133	PBT, Black, nickel plated brass coupling nut PG 11 cable gland Accepts 8-10 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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4pins/5pins/8pins M12 field wirable connector with plastic housing metal coupling nut





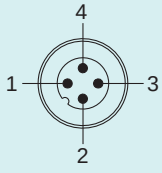
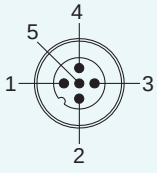
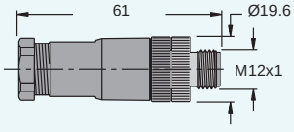
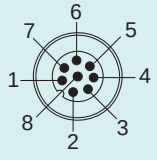
Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Right angle Female Screw terminals 	ELK4112-0/7	10091010	PBT，Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	ELK4112-0/9	10091011	PBT，Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	ELK5112-0/7	10091013	PBT，Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	ELK5112-0/9	10091012	PBT，Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，125 V，4 A	
	ELK8112-0/7	10091134	PBT，Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	
	ELK8112-0/9	10091135	PBT，Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	

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4pins/5pins/8pins M12 field wireable connector with plastic housing metal coupling nut





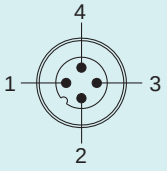
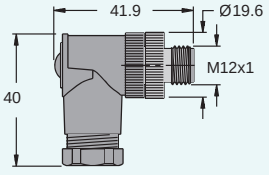
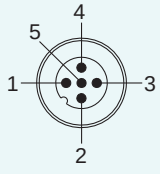
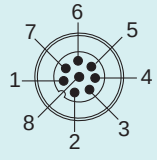
Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Male Screw terminals	EZ4112-0/7	10091020	PBT, Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	EZ4112-0/9	10091021	PBT, Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	EZ5112-0/7	10091023	PBT, Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，125 V，4 A	
	EZ5112-0/9	10091022	PBT, Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，125 V，4 A	
	EZ8112-0/7	10091255	PBT, Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	
	EZ8112-0/9	10091024	PBT, Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	
	EZ8112-0/11	10091137	PBT, Black，nickel plated brass coupling nut PG 11 cable gland Accepts 8-10 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	

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4pins/5pins/8pins M12 field wirable connector with plastic housing metal coupling nut



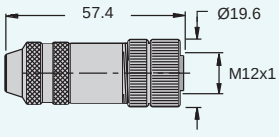
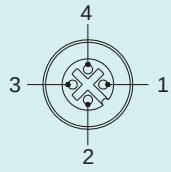
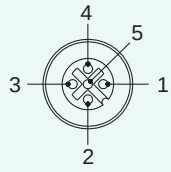
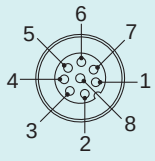
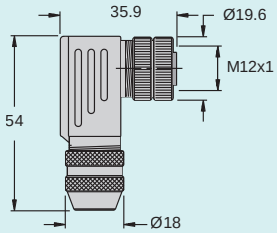
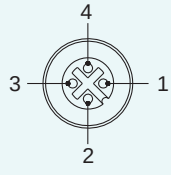
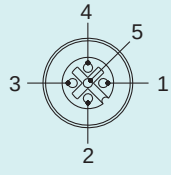
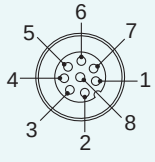


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Male Screw terminals	ELZ4112-0/7	10091030	PBT, Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	ELZ4112-0/9	10091031	PBT, Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，250 V，4 A	
	ELZ5112-0/7	10091033	PBT,Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，125 V，4 A	
	ELZ5112-0/9	10091032	PBT, Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C，125 V，4 A	
	ELZ8112-0/7	10091034	PBT, Black，nickel plated brass coupling nut PG 7 cable gland Accepts 4-6 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	
	ELZ8112-0/9	10091138	PBT, Black，nickel plated brass coupling nut PG 9 cable gland Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C，60 VAC/75 VDC，2 A	

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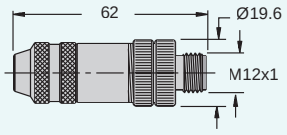
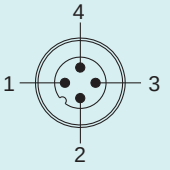
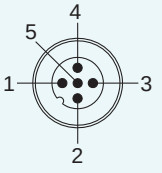
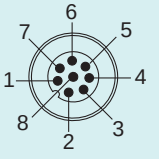
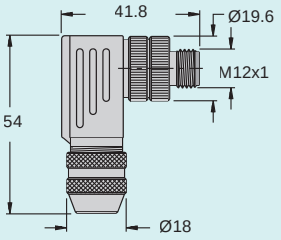
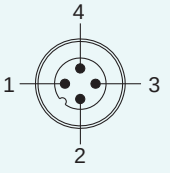
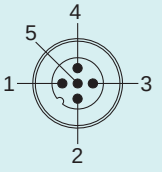
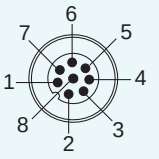


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals 	EK4218-0/9	10091250	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK5218-0/9	10091270	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EK8218-0/9	10091014	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
M12x1 Right angle Female Screw terminals 	ELK4218-0/9	10091251	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	ELK5218-0/9	10091271	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	ELK8218-0/9	10091062	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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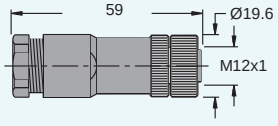
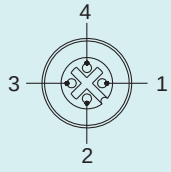
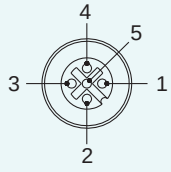
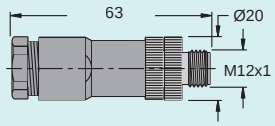
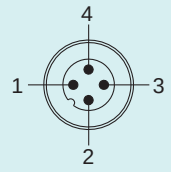
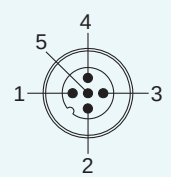


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Male Screw terminals 	EZ4218-0/9	10091240	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EZ5218-0/9	10091260	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EZ8218-0/9	10091119	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	
M12x1 Right angle Male Screw terminals 	ELZ4218-0/9	10091241	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	ELZ5218-0/9	10091261	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	ELZ8218-0/9	10091063	Brass/Nicket Accepts 6-8 mm cable diameter Accepts 0.5 mm² Max. Screw terminals 85°C , 60 VAC/75 VDC , 2 A	

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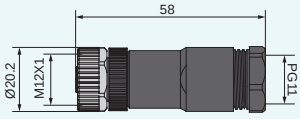
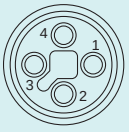
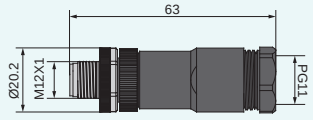
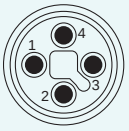

Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals 	EK4111-1/11	10091105	PBT, Black, Nylon coupling nut Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK4112-1/11	10091106	PBT, Black, nickel plated brass coupling nut Accepts 6-8 mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EK5111-1/11	10091107	PBT, Black, Nylon coupling nut Accepts 2*(3-5) mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EK5112-1/11	10091108	PBT, Black, nickel plated brass coupling nut Accepts 2*(3-5) mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
M12x1 Right angle Female Screw terminals 	EZ4111-1/11	10091115	PBT, Black, Nylon coupling nut Accepts 2*(3-5) mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EZ4112-1/11	10091116	PBT, Black, nickel plated brass coupling nut Accepts 2*(3-5) mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 250 V , 4 A	
	EZ5111-1/11	10091117	PBT, Black, Nylon coupling nut Accepts 2*(3-5) mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	
	EZ5112-1/11	10091118	PBT, Black, nickel plated brass coupling nut Accepts 2*(3-5) mm cable diameter Accepts 0.75 mm² Max. Screw terminals 85°C , 125 V , 4 A	

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4pins M12 T-Code field wirable connector with plastic housing metal coupling nut



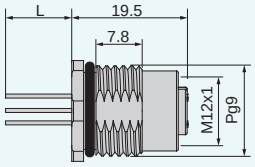
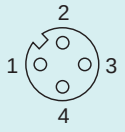
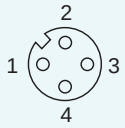
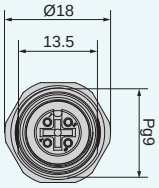
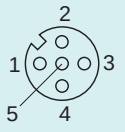
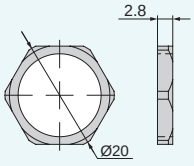
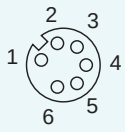
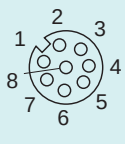
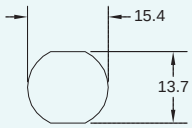
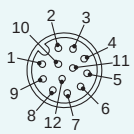


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M12x1 Straight Female Screw terminals 	EK4242-0/11	10091258	PA6+GF, Black/PA,Black PG 11 cable gland Accepts 8-10 mm cable diameter Accepts 1.5 mm² Max. Screw terminals 85°C , 60 V , 12 A	Female 
M12x1 Straight Male Screw terminals 	EZ4242-0/11	10091259	PA6+GF, Black/PA,Black PG 11 cable gland Accepts 8-10 mm cable diameter Accepts 1.5 mm² Max. Screw terminals 85°C , 60 V , 12 A	Male 

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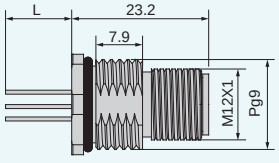
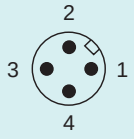
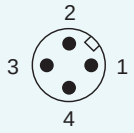
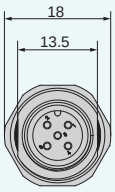
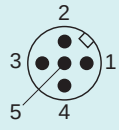
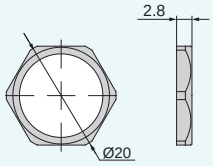
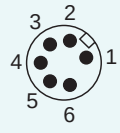
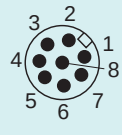
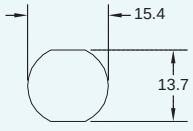
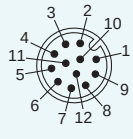


Receptacle	Type NO.	ID NO.	Features	Pinout
M12x1 Rear Mount with wire Female  	FEK31-0.5 FEK31-1.0	10041500 10041501	3x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 2.N/C 3.BU 4.BK
	FEK41-0.5 FEK41-1.0	10041510 10041511	4x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 2.WH 3.BU 4.BK
 	FEK51-0.5 FEK51-1.0	10041520 10041521	4x0.34mm² +1x0.5mm² PVC 105°C 250V 4A	 1.BN 2.WH 3.BU 4.BK 5.GNYE
 	FEK61-0.5 FEK61-1.0	10041530 10041531	6x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
	FEK81-0.5 FEK81-1.0	10041550 10041551	8x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
 Hole Size	FEK121-0.5 FEK121-1.0	10048057 10048058	12x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 9.OG 5.GY 10.TN 6.PK 11.BK 7.BU 12.VT 8.RD

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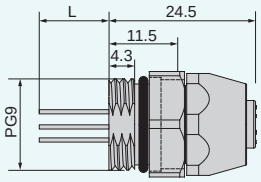
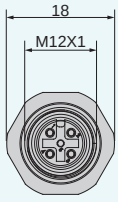
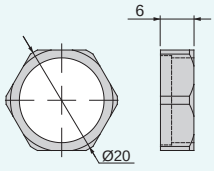
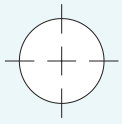
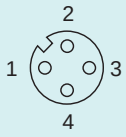
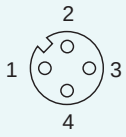
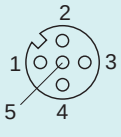
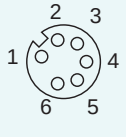
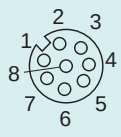
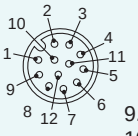


Receptacle	Type NO.	ID NO.	Features	Pinout
M12x1 Rear Mount with wire Male  	FEZ31-0.5 FEZ31-1.0	10041600 10041601	3x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 3.BU 4.BK
	FEZ41-0.5 FEZ41-1.0	10041610 10041611	4x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 2.WH 3.BU 4.BK
 	FEZ51-0.5 FEZ51-1.0	10041620 10041621	4x0.34mm² +1x0.5mm² PVC 105°C 250V 4A	 1.BN 2.WH 3.BU 4.BK 5.GN/YE
 	FEZ61-0.5 FEZ61-1.0	10041630 10041631	6x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
	FEZ81-0.5 FEZ81-1.0	10041650 10041651	8x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
 Hole Size	FEZ121-0.5 FEZ121-1.0	10048060 10048059	12x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 9.OG 5.GY 10.TN 6.PK 11.BK 7.BU 12.VT 8.RD

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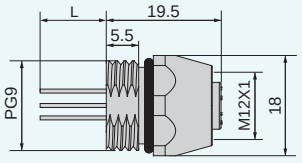
Receptacle	Type NO.	ID NO.	Features	Pinout
M12x1 Adjustable coupling thread length Front mount cordset, wire Female     Proposed to open PG9 threaded bore hole	FEK32-0.5 FEK32-1.0	10041538 10041539	3x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 2.N/C 3.BU 4.BK
	FEK42-0.5 FEK42-1.0	10049010 10049011	4x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 2.WH 3.BU 4.BK
	FEK52-0.5 FEK52-1.0	10049020 10041531	4x0.34mm² +1x0.5mm² PVC 105°C 250V 4A	 1.BN 2.WH 3.BU 4.BK 5.GNYE
	FEK62-0.5 FEK62-1.0	10041534 10041535	6x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
	FEK82-0.5 FEK82-1.0	10041536 10041537	8x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
	FEK122-0.5 FEK122-1.0	10048061 10048062	12x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 9.OG 5.GY 10.TN 6.PK 11.BK 7.BU 12.VT 8.RD

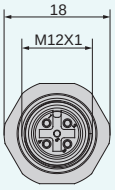
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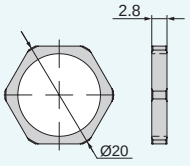


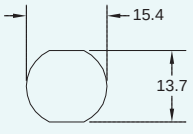


Receptacle	Type NO.	ID NO.	Features	Pinout
M12x1 Front Mount Rear Mount with wire Short type Female	FEK321-0.5 FEK321-1.0	10048055 10048056	3x0.34mm² PVC 105°C 250VAC/300VDC 4A	1.BN 2.N/C 3.BU 4.BK
	FEK421-0.5 FEK421-1.0	10047010 10048063	4x0.34mm² PVC 105°C 250VAC/300VDC 4A	1.BN 2.WH 3.BU 4.BK
	FEK521-0.5 FEK521-1.0	10046081 10048064	4x0.34mm² +1x0.5mm² PVC 105°C 250V 4A	1.BN 2.WH 3.BU 4.BK 5.GNYE
	FEK621-0.5 FEK621-1.0	10048065 10048066	6x0.25mm² PVC 105°C 60VAC/75VDC 2A	1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
	FEK821-0.5 FEK821-1.0	10048067 10048068	8x0.25mm² PVC 105°C 60VAC/75VDC 2A	1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
	FEK1221-0.5 FEK1221-1.0	10048069 10048070	12x0.25mm² PVC 105°C 60VAC/75VDC 2A	1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD 9.OG 10.TN 11.BK 12.VT







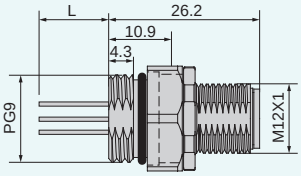
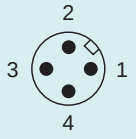
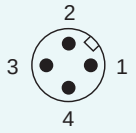
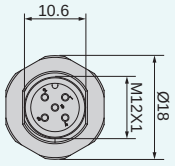
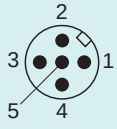
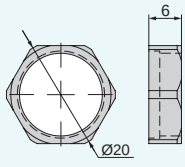
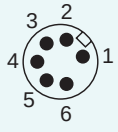
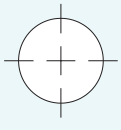
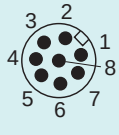
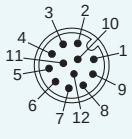


Hole Size

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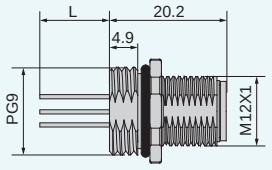
Receptacle	Type NO.	ID NO.	Features	Pinout
M12x1 Adjustable coupling thread length Front mount cordset, wire Male  	FEZ32-0.5 FEZ32-1.0	10046110 10046111	3x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 3.BU 4.BK
	FEZ42-0.5 FEZ42-1.0	10046120 10046121	4x0.34mm² PVC 105°C 250VAC/300VDC 4A	 1.BN 2.WH 3.BU 4.BK
 	FEZ52-0.5 FEZ52-1.0	10046130 10046131	4x0.34mm² +1x0.5mm² PVC 105°C 250V 4A	 1.BN 2.WH 3.BU 4.BK 5.GN/YE
 	FEZ62-0.5 FEZ62-1.0	10046140 10046141	6x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
	FEZ82-0.5 FEZ82-1.0	10046150 10046151	8x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
	FEZ122-0.5 FEZ122-1.0	10048071 10048072	12x0.25mm² PVC 105°C 60VAC/75VDC 2A	 1.WH 2.BN 3.GN 4.YE 9.OG 5.GY 10.TN 6.PK 11.BK 7.BU 12.VT 8.RD

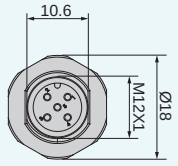
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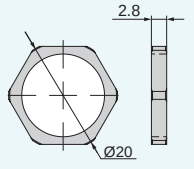


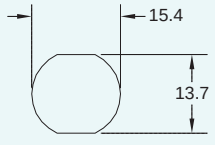


Receptacle	Type NO.	ID NO.	Features	Pinout
M12x1 Front Mount Rear Mount with wire Short type Male	FEZ321-0.5 FEZ321-1.0	10048073 10048074	3x0.34mm² PVC 105°C 250VAC/300VDC 4A	1.BN 3.BU 4.BK
	FEZ421-0.5 FEZ421-1.0	10048075 10048076	4x0.34mm² PVC 105°C 250VAC/300VDC 4A	1.BN 2.WH 3.BU 4.BK
	FEZ521-0.5 FEZ521-1.0	10048077 10048078	4x0.34mm² +1x0.5mm² PVC 105°C 250V 4A	1.BN 2.WH 3.BU 4.BK 5.GN/YE
	FEZ621-0.5 FEZ621-1.0	10048079 10048080	6x0.25mm² PVC 105°C 60VAC/75VDC 2A	1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
	FEZ821-0.5 FEZ821-1.0	10048081 10048082	8x0.25mm² PVC 105°C 60VAC/75VDC 2A	1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD
	FEZ1221-0.5 FEZ1221-1.0	10048083 10048084	12x0.25mm² PVC 105°C 60VAC/75VDC 2A	1.WH 2.BN 3.GN 4.YE 5.GY 6.PK 7.BU 8.RD 9.OG 10.TN 11.BK 12.VT







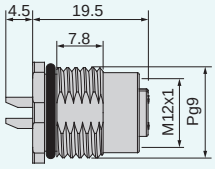
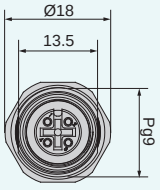
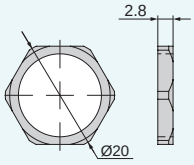
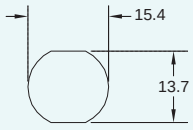
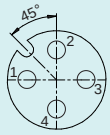
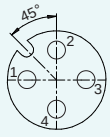
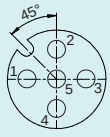
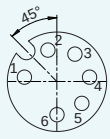
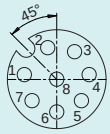


Hole Size

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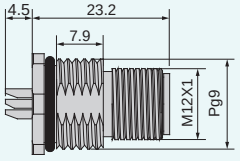
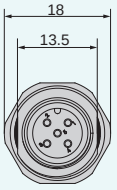
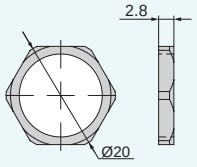
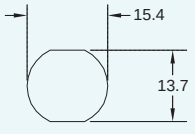
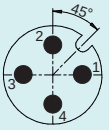
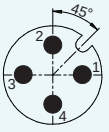
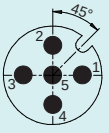
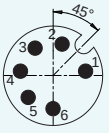


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Rear Mount with Solder Cups Female     Hole Size	FEK31-L	10041502	Solder cup 105°C 250VAC/300VDC 4A	
	FEK41-L	10041512	Solder cup 105°C 250VAC/300VDC 4A	
	FEK51-L	10041522	Solder cup 105°C 250VAC/300VDC 4A	
	FEK61-L	10041532	Solder cup 105°C 60VAC/75VDC 2A	
	FEK81-L	10041552	Solder cup 105°C 60VAC/75VDC 2A	

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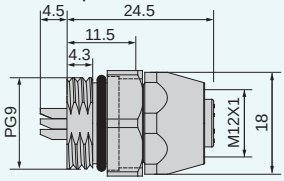
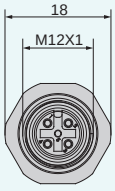
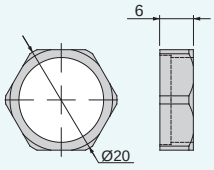
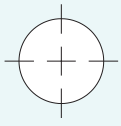
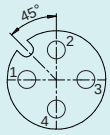
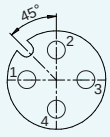
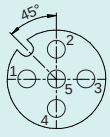
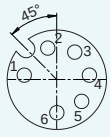
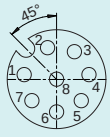


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Rear Mount with Solder Cups Male     Hole Size	FEZ31-L	10041602	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ41-L	10041612	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ51-L	10041622	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ61-L	10041642	Solder cup 105°C 60VAC/75VDC 2A	
	FEZ81-L	10041652	Solder cup 105°C 60VAC/75VDC 2A	

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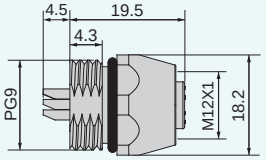
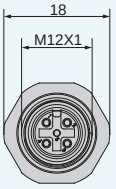
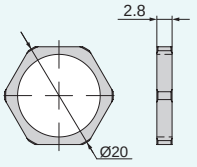
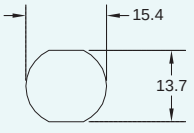
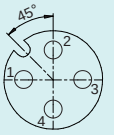
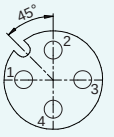
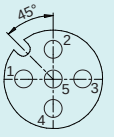
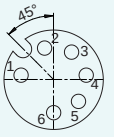
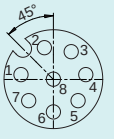


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Adjustable coupling thread length Solder cup , Female    	FEK32-L	10049002	Solder cup 105°C 250VAC/300VDC 4A	
	FEK42-L	10048992	Solder cup 105°C 250VAC/300VDC 4A	
	FEK52-L	10041028	Solder cup 105°C 250VAC/300VDC 4A	
	FEK62-L	10048994	Solder cup 105°C 60VAC/75VDC 2A	
	FEK82-L	10048995	Solder cup 105°C 60VAC/75VDC 2A	

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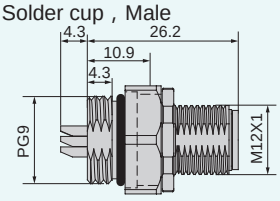
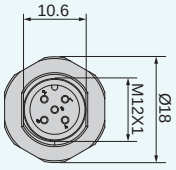
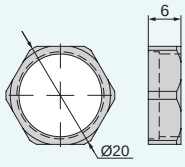
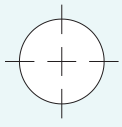
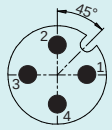
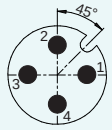
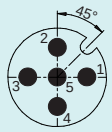
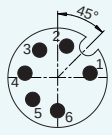
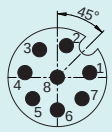


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Front Mount Rear Mount with Solder Cups Short type Female     Hole Size	FEK321-L	10048983	Solder cup 105°C 250VAC/300VDC 4A	
	FEK421-L	10048984	Solder cup 105°C 250VAC/300VDC 4A	
	FEK521-L	10048993	Solder cup 105°C 250VAC/300VDC 4A	
	FEK621-L	10048981	Solder cup 105°C 60VAC/75VDC 2A	
	FEK821-L	10048982	Solder cup 105°C 60VAC/75VDC 2A	

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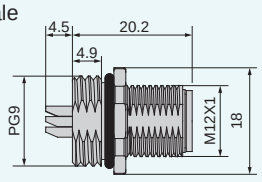
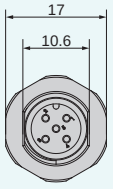
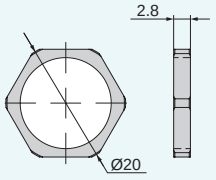
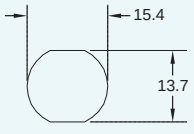
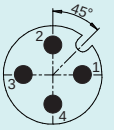
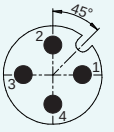
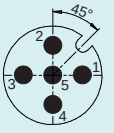
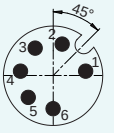


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Adjustable coupling thread length Solder cup，Male     Proposed to open PG9 threaded bore hole	FEZ32-L	10049001	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ42-L	10049003	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ52-L	10041029	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ62-L	10048985	Solder cup 105°C 60VAC/75VDC 2A	
	FEZ82-L	10048986	Solder cup 105°C 60VAC/75VDC 2A	

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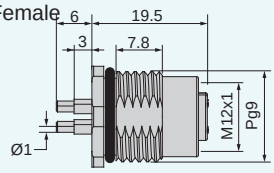
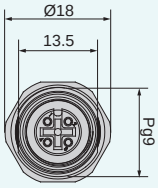
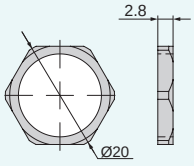
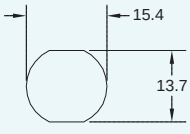
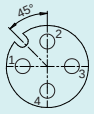


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Front Mount Rear Mount with Solder Cups Short type Male     Hole Size	FEZ321-L	10048987	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ421-L	10048988	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ521-L	10048989	Solder cup 105°C 250VAC/300VDC 4A	
	FEZ621-L	10048990	Solder cup 105°C 60VAC/75VDC 2A	
	FEZ821-L	10048991	Solder cup 105°C 60VAC/75VDC 2A	

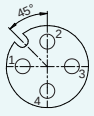
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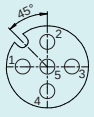


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Rear Mount Rear Mount with PCB Pins Female     Hole Size	FEK31-P	10041503	3xØ1mm PCB pins 105°C 250VAC/300VDC 4A	

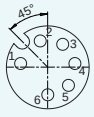
	X	Y
1	-2.50	0.00
2	0.00	2.50
3	2.50	0.00
4	0.00	-2.50

Type NO.	ID NO.	Features	Pinout
FEK41-P	10041513	4xØ1mm PCB pins 105°C 250VAC/300VDC 4A	

	X	Y
1	-2.50	0.00
2	0.00	2.50
3	2.50	0.00
4	0.00	-2.50

Type NO.	ID NO.	Features	Pinout
FEK51-P	10041523	5xØ1mm PCB pins 105°C 250V 4A	

	X	Y
1	-2.50	0.00
2	0.00	2.50
3	2.50	0.00
4	0.00	-2.50
5	0.00	0.00

Type NO.	ID NO.	Features	Pinout
FEK61-P	10041533	6xØ1mm PCB pins 105°C 60VAC/75VDC 2A	

	X	Y
1	-2.60	0.40
2	-0.70	2.50
3	1.40	2.20
4	2.60	0.40
5	2.00	-1.70
6	0.00	-2.60

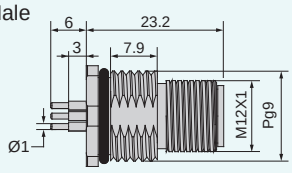
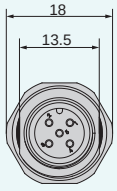
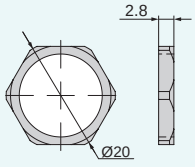
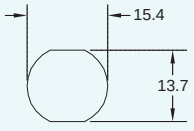
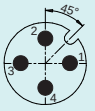
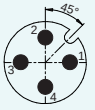
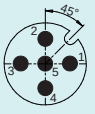
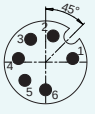
Type NO.	ID NO.	Features	Pinout
FEK81-P	10041553	8xØ1mm PCB pins 105°C 60VAC/75VDC 2A	

	X	Y
1	-2.69	0.57
2	-0.57	2.69
3	1.66	2.20
4	2.75	0.19
5	1.94	-1.94
6	-0.19	-2.75
7	-2.20	-1.66
8	0.00	0.00

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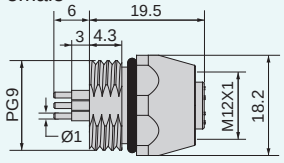
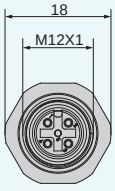
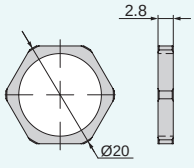
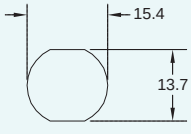
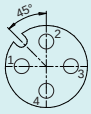
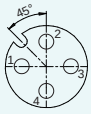
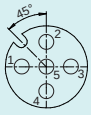
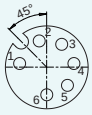


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Rear Mount Rear Mount with PCB Pins Male     Hole Size	FEZ31-P	10041603	3xØ1mm PCB pins 105°C 250VAC/300VDC 4A	 X Y 1 2.50 0.00 2 0.00 2.50 3 -2.50 0.00 4 0.00 -2.50
	FEZ41-P	10041613	4xØ1mm PCB pins 105°C 250VAC/300VDC 4A	 X Y 1 2.50 0.00 2 0.00 2.50 3 -2.50 0.00 4 0.00 -2.50
	FEZ51-P	10041623	5xØ1mm PCB pins 105°C 250V 4A	 X Y 1 2.50 0.00 2 0.00 2.50 3 -2.50 0.00 4 0.00 -2.50 5 0.00 0.00
	FEZ61-P	10041643	6xØ1mm PCB pins 105°C 60VAC/75VDC 2A	 X Y 1 2.60 0.40 2 0.70 2.50 3 -1.40 2.20 4 -2.60 0.40 5 -2.00 -1.70 6 0.00 -2.60
	FEZ81-P	10041653	8xØ1mm PCB pins 105°C 60VAC/75VDC 2A	 X Y 1 2.69 0.57 2 0.57 2.69 3 -1.66 2.20 4 -2.75 0.19 5 -1.94 -1.94 6 0.19 -2.75 7 2.20 -1.66 8 0.00 0.00

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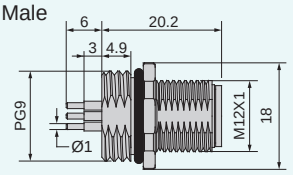
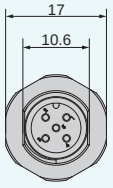
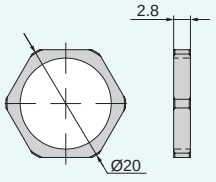
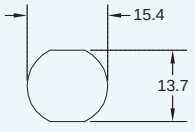
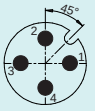
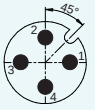
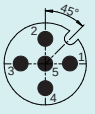
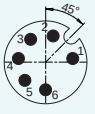


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Front Mount Rear Mount with PCB Pins Short type Female     Hole Size	FEK321-P	10048996	3xØ1mm PCB pins 105°C 250VAC/300VDC 4A	 X Y 1 -2.50 0.00 2 0.00 2.50 3 2.50 0.00 4 0.00 -2.50
	FEK421-P	10048997	4xØ1mm PCB pins 105°C 250VAC/300VDC 4A	 X Y 1 -2.50 0.00 2 0.00 2.50 3 2.50 0.00 4 0.00 -2.50
	FEK521-P	10048998	5xØ1mm PCB pins 105°C 250V 4A	 X Y 1 -2.50 0.00 2 0.00 2.50 3 2.50 0.00 4 0.00 -2.50 5 0.00 0.00
	FEK621-P	10048999	6xØ1mm PCB pins 105°C 60VAC/75VDC 2A	 X Y 1 -2.60 0.40 2 -0.70 2.50 3 1.40 2.20 4 2.60 0.40 5 2.00 -1.70 6 0.00 -2.60
	FEK821-P	10049000	8xØ1mm PCB pins 105°C 60VAC/75VDC 2A	 X Y 1 -2.69 0.57 2 -0.57 2.69 3 1.66 2.20 4 2.75 0.19 5 1.94 -1.94 6 -0.19 -2.75 7 -2.20 -1.66 8 0.00 0.00

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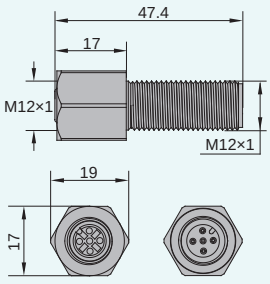
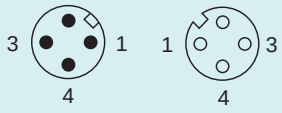
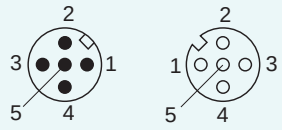
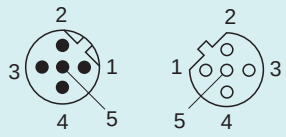
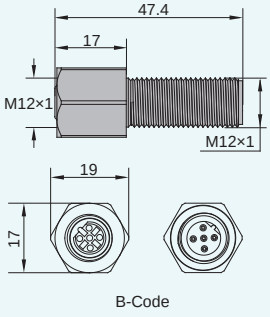
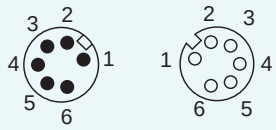
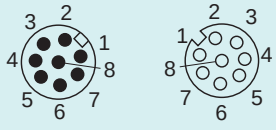


Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Front Mount Rear Mount with PCB Pins Short type Male     Hole Size	FEZ321-P	10049004	3xØ1mm PCB pins 105°C 250VAC/300VDC 4A	 X Y 1 2.50 0.00 2 0.00 2.50 3 -2.50 0.00 4 0.00 -2.50
	FEZ421-P	10049005	4xØ1mm PCB pins 105°C 250VAC/300VDC 4A	 X Y 1 2.50 0.00 2 0.00 2.50 3 -2.50 0.00 4 0.00 -2.50
	FEZ521-P	10049006	5xØ1mm PCB pins 105°C 250V 4A	 X Y 1 2.50 0.00 2 0.00 2.50 3 -2.50 0.00 4 0.00 -2.50 5 0.00 0.00
	FEZ621-P	10049007	6xØ1mm PCB pins 105°C 60VAC/75VDC 2A	 X Y 1 2.60 0.40 2 0.70 2.50 3 -1.40 2.20 4 -2.60 0.40 5 -2.00 -1.70 6 0.00 -2.60
	FEZ821-P	10049008	8xØ1mm PCB pins 105°C 60VAC/75VDC 2A	 X Y 1 2.69 0.57 2 0.57 2.69 3 -1.66 2.20 4 -2.75 0.19 5 -1.94 -1.94 6 0.19 -2.75 7 2.20 -1.66 8 0.00 0.00

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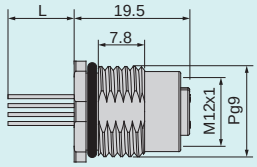
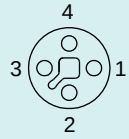
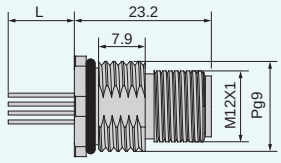
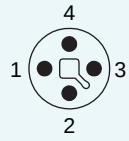
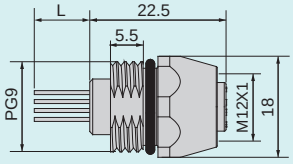
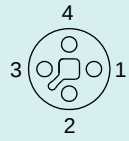
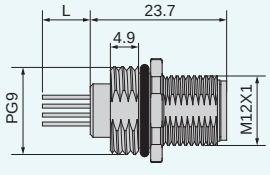
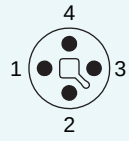

Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Adapters  A-Code	FEK4 FEZ4/M12	10041700	4pins Male-Female 105°C 250V DC 4A	
	FEK5 FEZ5/M12	10041701	5pins Male-Female 105°C 250V DC 4A	
	FEBK5 FEBZ5/M12	10041702	5pins Male-Female B-code 105°C 250V DC 4A	
 B-Code	FEK6 FEZ6/M12	10041703	6pins Male-Female 105°C 36V DC 1.5A	
	FEK8 FEZ8/M12	10041554	8pins Male-Female 105°C 36V DC 1.5A	

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M12 receptacle T-Code






Receptacle	Type NO.	ID NO.	Features	Pinout
M12 Rear Mount with wire Female  T-Code	FETK41-0.5 FETK41-1.0	10048085 10048086	4x1.5mm² PVC -40°C ~ +85°C 60V 12A	Female  1.BN 2.WH 3.BU 4.BK
M12 Rear Mount with wire Male  T-Code	FETZ41-0.5 FETZ41-1.0	10048087 10048088	4x1.5mm² PVC -40°C ~ +85°C 60V 12A	Male  1.BN 2.WH 3.BU 4.BK
M12 front mount cordset, wire Female  T-Code	FETK42-0.5 FETK42-1.0	10048089 10048090	4x1.5mm² PVC -40°C ~ +85°C 60V 12A	Female  1.BN 2.WH 3.BU 4.BK
M12 Front mount cordset, wire Male  T-Code	FETZ42-0.5 FETZ42-1.0	10048091 10048092	4x1.5mm² PVC -40°C ~ +85°C 60V 12A	Male  1.BN 2.WH 3.BU 4.BK

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7/8” Industrial Connectors

7/8'' connector part number key

M	L	K	4	–	2M	/	20	/	T00
1		2	3	4		5	6		7

1 M 7/8" Connector

2 Blank Straight
L Right angle

3 K Female
Z Male

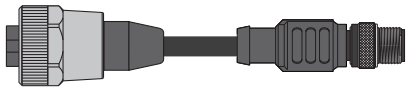
4 Number of pins
Contact distribution

5 Length [m]

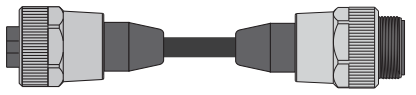
7 Varieties

6 Cable and pre-moulding connector part number key
Blank Black PVC,16AWG,plug body black
20 Yellow PVC,16AWG,plug body yellow
21 Yellow highly flexible PVC,16AWG,plug body yellow
22 Gray PVC,16AWG,plug body black
23 Gray shield PUR,20AWG,plug body black
24 Yellow highly flexible TPE,16AWG,plug body yellow
38 Yellow PVC,3X18AWG,plug body yellow 1.GNYE 2.BN 3.BU
43 Gray highly flexible PUR,4×16AWG,plug body black
44 Black PVC,shield,22AWG
46 Black PUR,4X20AWG,plug body black 1.RD 2.GN 3.WH 4.BK
50 Yellow PVC,plug body yellow,PVC,18AWG
52 Gray highly flexible PUR,5×16AWG,plug body black
54 Black PVC,14AWG,plug body black
55 Black PVC,5X18AWG,plug body black 1.BK 2.BU 3.YE 4.BN 5.WH
P314 Yellow PUR,3x14AWG,plug body yellow

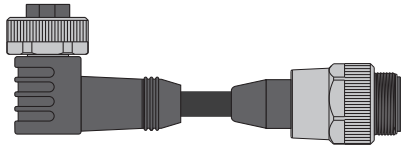
Extension Examples



MK4 EZ4-2M



MK4 MZ4-2M



MLK4 MZ4-2M



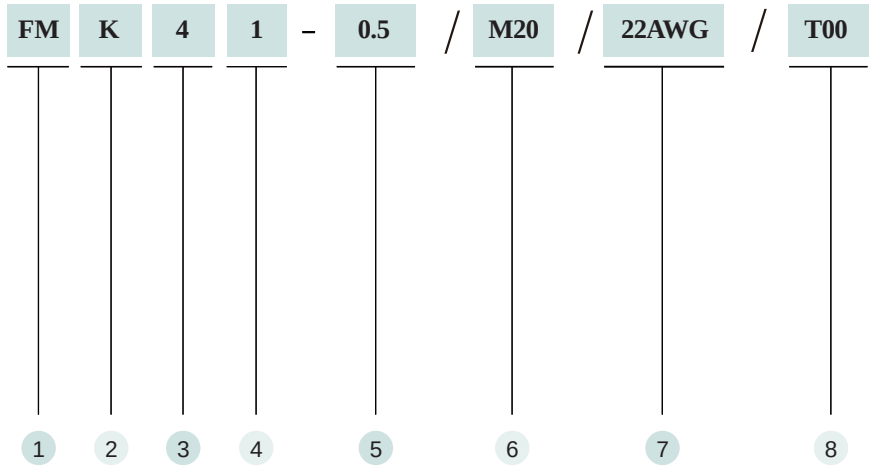
MK4 MLZ4-2M



MLK4 MLZ4-2M

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Receptacle connector part number key



1 FM 7/8" receptacle

2
K Female
Z Male

3 Number of pins

4 Termination（mounting style）
1 rear mount
2 Front moumt

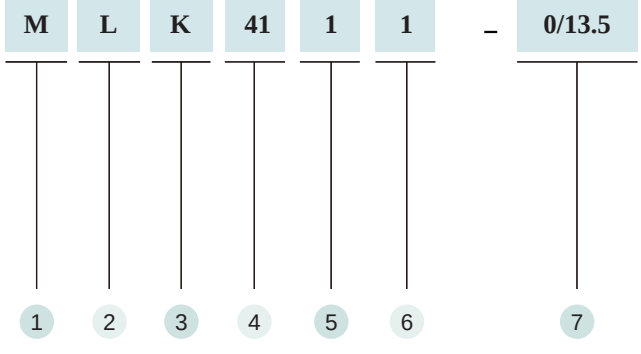
5 Length of cable 0.5=0.5m
L Solder cup
P PCB pins

6 Thread Type（connection thread）
PG13.5 13.5
M20 M20X1.5
NPT 1/2-14NPT
NPSM 1/2-14NPSM
RS14 Rectangular screw connection（screw pitch 14mm）

7 Wire guage
Blank 16AWG

8 Varieties

Field wireable connector part number key



1 M 7/8" field wireable connector

2
Blank Straight
L Right angle

3
K Female
Z Male

4 Number of pin/material of pin
1 Ag plated brass
2 Au plated brass

5 1 A-code

6 Housing material
1 Plastic housing, Nylon coupling nut
2 Plastic housing, Stainless steel coupling nut
8 Metal housing

7 Thread Type（connection thread)
0:Single cable 1:Dual cable

Cable opening
9、11、13.5 (PG9, PG11, PG13.5)

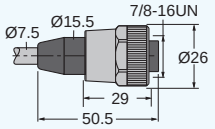
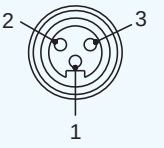
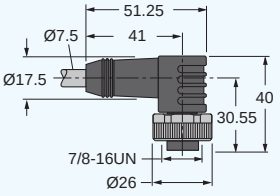
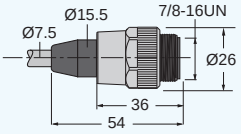
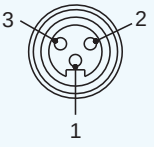
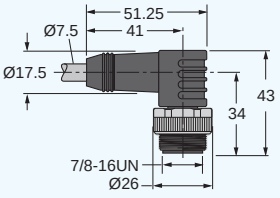
Termination
Blank Screw terminals
L Solder cup
C Crimp

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3pins 7/8'' Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A
- Rated voltage:300V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+70℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female MK..** 	MK3-2M MK3-5M MK3-10M	10035000 10035001 10035002	PVC/Black 3x16AWG Ø7.5mm Cable Type NO. : CS031600-*M	Female  1.GN/YE 2.BN 3.BU
Right angle Female MLK..** 	MLK3-2M MLK3-5M MLK3-10M	10035010 10035011 10035012		
Straight Male MZ..** 	MZ3-2M MZ3-5M MZ3-10M	10035020 10035021 10035022	PVC/Black 3x16AWG Ø7.5mm Cable Type NO. : CS031600-*M	Male  1.GN/YE 2.BN 3.BU
Right angle Male MLZ..** 	MLZ3-2M MLZ3-5M MLZ3-10M	10035030 10035031 10035032		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

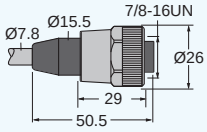
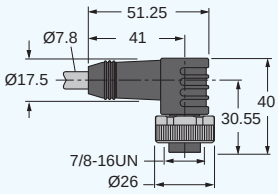
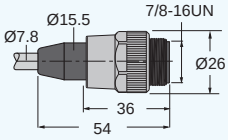
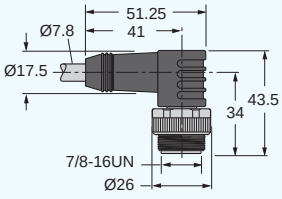
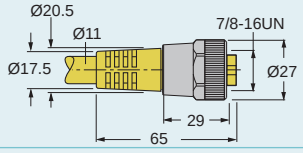
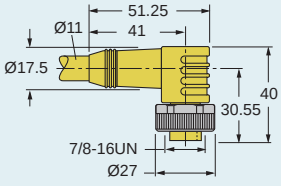
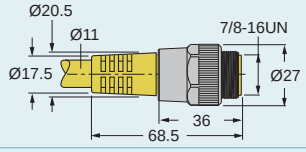
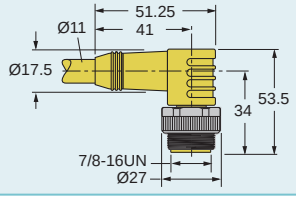
** Standard coupling nut material is nickel plated brass

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4pins 7/8'' Pre-moulding connector

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- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A
- Rated voltage:300V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+70℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female MK..** 	MK4-2M MK4-5M MK4-10M	10032000 10032001 10032002	PVC/Black 4x16AWG Ø7.8mm Cable Type NO. : CS041690-*M	Female  1.RD 2.GN 3.WH 4.BK
Right angle Female MLK..** 	MLK4-2M MLK4-5M MLK4-10M	10032010 10032011 10032012		
Straight Male MZ..** 	MZ4-2M MZ4-5M MZ4-10M	10032020 10032021 10032022	PVC/Black 4x16AWG Ø7.8mm Cable Type NO. : CS041690-*M	Male  1.RD 2.GN 3.WH 4.BK
Right angle Male MLZ..** 	MLZ4-2M MLZ4-5M MLZ4-10M	10032030 10032031 10032032		
Straight Female MK..** 	MK4-2M/20 MK4-5M/20 MK4-10M/20	10032500 10032501 10032502	PVC/Yellow 4x16AWG Ø11mm Cable Type NO. : CS041691-*M	Female  1.BK 2.WH 3.RD 4.GN
Right angle Female MLK..** 	MLK4-2M/20 MLK4-5M/20 MLK4-10M/20	10032520 10032521 10032522		
Straight Male MZ..** 	MZ4-2M/20 MZ4-5M/20 MZ4-10M/20	10032510 10032511 10032512	PVC/Yellow 4x16AWG Ø11mm Cable Type NO. : CS041691-*M	Male  1.BK 2.WH 3.RD 4.GN
Right angle Male MLZ..** 	MLZ4-2M/20 MLZ4-5M/20 MLZ4-10M/20	10032530 10032531 10032532		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

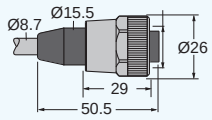
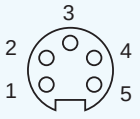
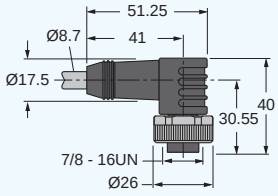
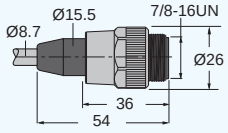
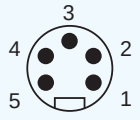
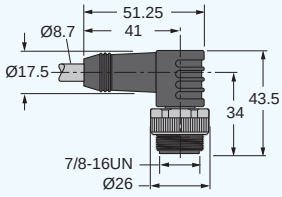
** Standard coupling nut material is nickel plated brass

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5pins 7/8'' Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A
- Rated voltage:300V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+70℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female MK..** 	MK5-2M MK5-5M MK5-10M	10033000 10033001 10033002	PVC/Black 5x16AWG Ø8.7mm Cable Type NO. : CS051690-*M	Female  1.BK 2.BU 3.GNYE 4.BN 5.WH
Right angle Female MLK..** 	MLK5-2M MLK5-5M MLK5-10M	10033010 10033011 10033012		
Straight Male MZ..** 	MZ5-2M MZ5-5M MZ5-10M	10033020 10033021 10033022	PVC/Black 5x16AWG Ø8.7mm Cable Type NO. : CS051690-*M	Female  1.BK 2.BU 3.GNYE 4.BN 5.WH
Right angle Male MLZ..** 	MLZ5-2M MLZ5-5M MLZ5-10M	10033030 10033031 10033032		

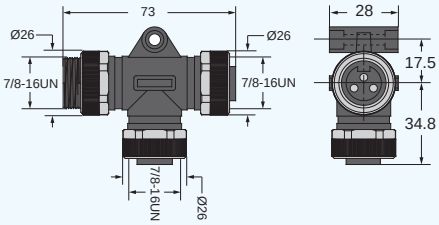
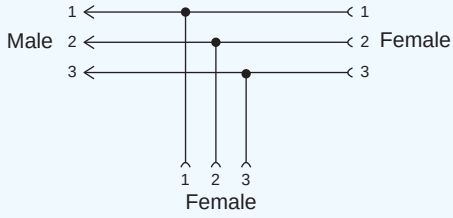
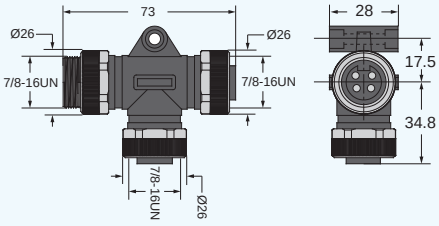
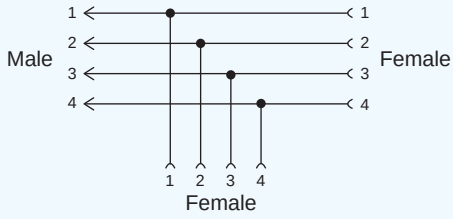
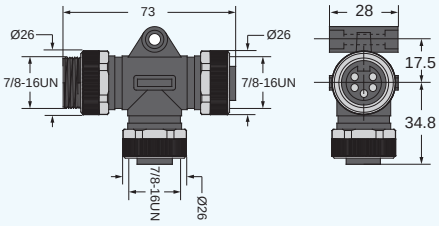
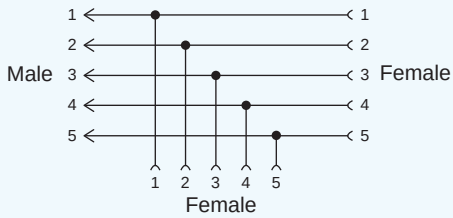
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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Pre-moulding connector	Type NO.	ID NO.	Circuit diagram
7/8" T type power connector 3pins 	MZ3-2MK3 MZ3-2MK3/HBU MZ3-2MK3/HYE	10035120 10035119 10033027	
7/8" T type power connector 4pins 	MZ4-2MK4 MZ4-2MK4/HBU MZ4-2MK4/HYE	10083000 10082999 10084002	
7/8"T type power connector 5pins 	MZ5-2MK5 MZ5-2MK5/HBU MZ5-2MK5/HYE	10084000 10084004 10084001	

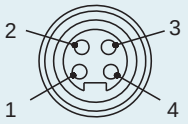
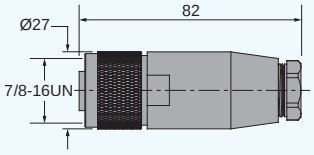
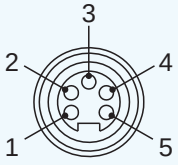
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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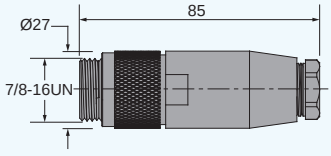
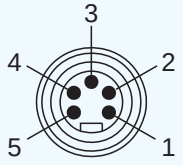


Field wireable connector	Type NO.	ID NO.	Features	Pinout
7/8" Straight Female Screw terminals	MK4211-0/9	10092010	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK4211-0/11	10092003	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK4211-0/13.5	10092202	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG13.5 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK5211-0/9	10092303	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK5211-0/11	10092004	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK5211-0/13.5	10092302	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG13.5 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	

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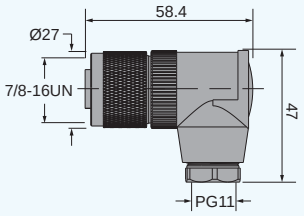
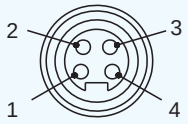
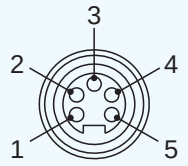
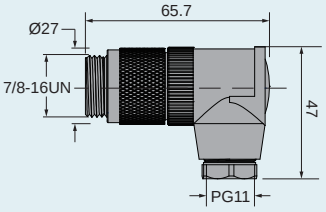
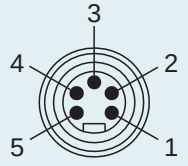


Field wireable connector	Type NO.	ID NO.	Features	Pinout
7/8" Straight Female Screw terminals	MZ4211-0/9	10092019	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ4211-0/11	10092005	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ4211-0/13.5	10092222	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG11 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ5211-0/9	10092011	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ5211-0/11	10092006	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ5211-0/13.5	10092322	Nylon+Glass fiber/Black Cast aluminum coupling nuts PG11 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	

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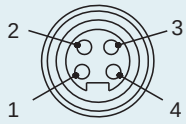
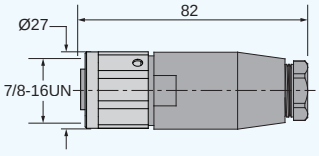
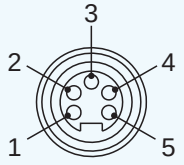


Field wireable connector	Type NO.	ID NO.	Features	Pinout
7/8" Right angle Female Screw terminals 	MLK4211-0/11	10092320	Nylon+Glass fiber/Black PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MLK5211-0/11	10092009	Nylon+Glass fiber/Black PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
7/8" Right angle Male Screw terminals 	MLZ4211-0/11	10092321	Nylon+Glass fiber/Black PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MLZ5211-0/11	10092224	Nylon+Glass fiber/Black PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	

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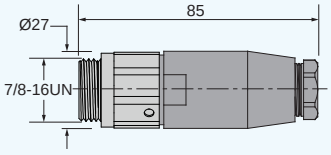
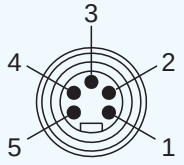


Field wireable connector	Type NO.	ID NO.	Features	Pinout
7/8" Straight Male Screw terminals	MK4212-0/9	10092018	Nylon+Glass fiber/Black Stainless steel coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK4212-0/11	10092017	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK4212-0/13.5	10092012	Nylon+Glass fiber/Black Stainless steel coupling nuts PG13.5 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK5212-0/9	10092319	Nylon+Glass fiber/Black Stainless steel coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK5212-0/11	10092318	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MK5212-0/13.5	10092323	Nylon+Glass fiber/Black Stainless steel coupling nuts PG13.5 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	

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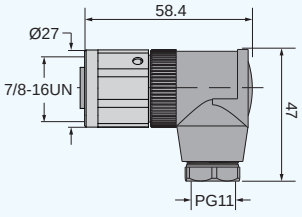
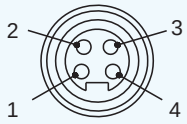
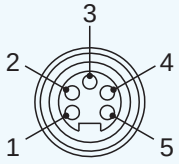
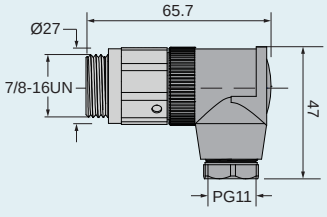
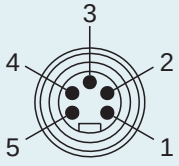


Field wireable connector	Type NO.	ID NO.	Features	Pinout
7/8" Straight Male Screw terminals	MZ4212-0/9	10092317	Nylon+Glass fiber/Black Stainless steel coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ4212-0/11	10092316	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ4212-0/13.5	10092008	Nylon+Glass fiber/Black Stainless steel coupling nuts PG13.5 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ5212-0/9	10092310	Nylon+Glass fiber/Black Stainless steel coupling nuts PG9 cable gland Accepts 6-8 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ5212-0/11	10092311	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MZ5212-0/13.5	10092324	Nylon+Glass fiber/Black Stainless steel coupling nuts PG13.5 cable gland Accepts 10-12 mm cable diameter Screw terminals 85°C,250V,9 A	

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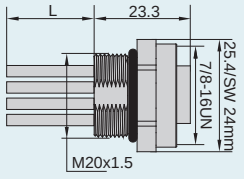
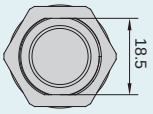
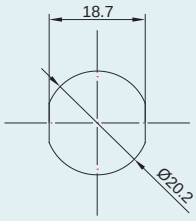
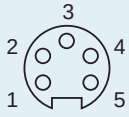
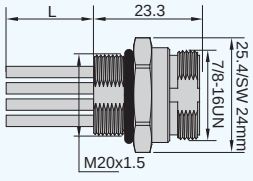
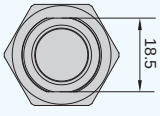
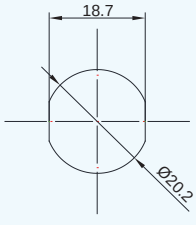
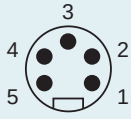


Field wireable connector	Type NO.	ID NO.	Features	Pinout
7/8" Right angle Female Screw terminals 	MLK4212-0/11	10092312	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MLK5212-0/11	10092313	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
7/8" Right angle Male Screw terminals 	MLZ4212-0/11	10092314	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	
	MLZ5212-0/11	10092315	Nylon+Glass fiber/Black Stainless steel coupling nuts PG11 cable gland Accepts 8-10 mm cable diameter Screw terminals 85°C,250V,9 A	

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Receptacle	Type NO.	ID NO.	Features	Pinout
7/8" front mount cordset, wire Female    Hole Size	FMK42-0.5/M20 FMK42-1.0/M20	10042000 10042001	4x1.5mm² PVC 105°C 600V 9A	 1.RD 2.GN 3.WH 4.BK
	FMK52-0.5/M20 FMK52-1.0/M20	10042010 10042011	5x1.5mm² PVC 105°C 600V 9A	 1.BK 2.BU 3.GNYE 4.BN 5.WH
7/8" front mount cordset, wire Male    Hole Size	FMZ42-0.5/M20 FMZ42-1.0/M20	10042100 10042101	4x1.5mm² PVC 105°C 600V 9A	 1.RD 2.GN 3.WH 4.BK
	FMZ52-0.5/M20 FMZ52-1.0/M20	10042110 10042111	5x1.5mm² PVC 105°C 600V 9A	 1.BK 2.BU 3.GNYE 4.BN 5.WH

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M16 Industrial connectors

M16 connector part number key

DN	L	K	6-4	–	2M	/	P00	/	YE	16	/	CYE	HYE	/	T00
1	2	3	4		5		6		7	8		9	10		11

1 DN M16x0.75 connector_Internal thread
DW M16x0.75 connector_External thread

2 Blank Straight
L Right angle

3 K Female
Z Male

4 Number of pins
Contact distribution 6-4(6 pin connect 4 wire)

5 Length [m]

6 Varieties

7 Color of cable
Blank Standard color (P00 BK,P10 BK)
OR Orange（customization）
YE Yellow（customization）

8 Wire gauge
Blank Standard wire gauge
2-8 pins 18AWG(0.75mm²)
12-19pins 24AWG(0.25mm²)
16 16AWG(1.5mm²)（customization）
18 18AWG(0.75mm²)（customization）

9 Color of contact carrier
Blank Standard black

10 Color of plug body
Blank Standard black
HYE Plug body yellow （customization）
HWH Plug body white （customization）

11 Varieties

Extension Examples



DNK6-6 DWZ6-6-2M/P00



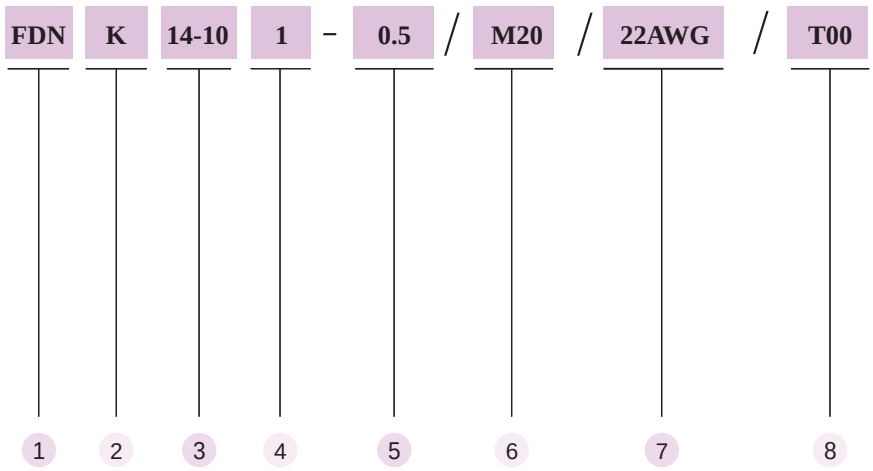
DNLK6-6 DWZ6-6-2M/P00



DNK6-6 DWLZ6-6-2M/P00

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Receptacle part number key



1 FDN M16 Internal thread receptacle
FDW M16 External thread receptacle

2 K Female
Z Male

3 Number of pins
14-10 (14 pin connect 10 wire)

4 ermination（mounting style）
1 rear mount
2 Front moumt

5 Length of cable 0.5=0.5m
L Solder cup
P PCB pins

6 Thread Type（connection thread)
M8 M8X0.5
Blank PG9
NPT 1/2-14NPT
NPSM 1/2-14NPSM
RS14 Rectangular screw connection
（screw pitch 14mm）

7 Wire guage
Blank Standard wire gauge
2-8pins 18AWG(0.75mm^2)
12-19pins 24AWG(0.25mm^2)

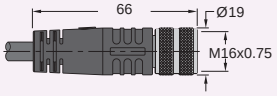
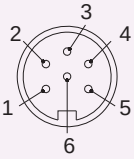
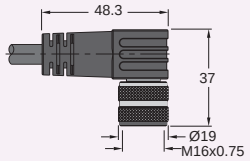
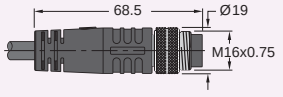
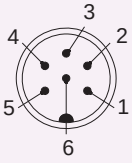
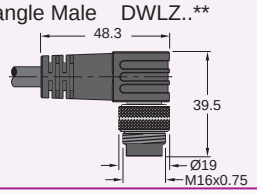
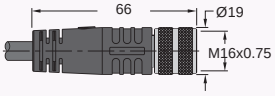
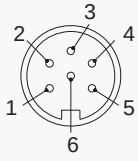
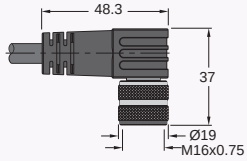
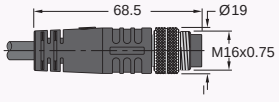
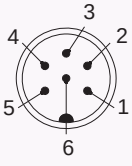
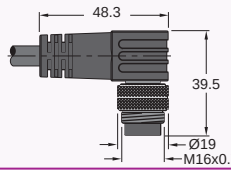
8 Varieties

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6pins M16 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:7A
- Rated voltage:300V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female DNK..** 	DNK6-4-2M/P00 DNK6-4-5M/P00 DNK6-4-10M/P00	10100000 10100001 10100002	PVC/Back 4x18AWG Ø7.0mm Cable Type NO. : CS041800-*M	Female  1.BU (CAN-) 2.WH (CAN+) 3.N/C 4.N/C 5.RD (+24V) 6.BK (GND)
Right angle Female DNLK..** 	DNLK6-4-2M/P00 DNLK6-4-5M/P00 DNLK6-4-10M/P00	10100010 10100011 10100012		
Straight Male DWZ..** 	DWZ6-4-2M/P00 DWZ6-4-5M/P00 DWZ6-4-10M/P00	10100020 10100021 10100022	PVC/Back 4x18AWG Ø7.0mm Cable Type NO. : CS041800-*M	Male  1.BU (CAN-) 2.WH (CAN+) 3.N/C 4.N/C 5.RD (+24V) 6.BK (GND)
Right angle Male DWLZ..** 	DWLZ6-4-2M/P00 DWLZ6-4-5M/P00 DWLZ6-4-10M/P00	10100030 10100031 10100032		
Straight Female DNK..** 	DNK6-6-2M/P00 DNK6-6-5M/P00 DNK6-6-10M/P00	10100050 10100051 10100052	PVC/Back 6x18AWG Ø7.5mm Cable Type NO. : CS061800-*M	Female  1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
Right angle Female DNLK..** 	DNLK6-6-2M/P00 DNLK6-6-5M/P00 DNLK6-6-10M/P00	10100060 10100061 10100062		
Straight Male DWZ..** 	DWZ6-6-2M/P00 DWZ6-6-5M/P00 DWZ6-6-10M/P00	10100070 10100071 10100072	PVC/Back 6x18AWG Ø7.5mm Cable Type NO. : CS061800-*M	Male  1.BN 2.WH 3.BU 4.BK 5.GY 6.PK
Right angle Male DWLZ..** 	DWLZ6-6-2M/P00 DWLZ6-6-5M/P00 DWLZ6-6-10M/P00	10100080 10100081 10100082		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

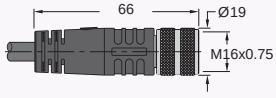
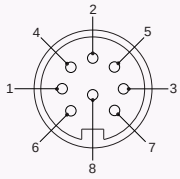
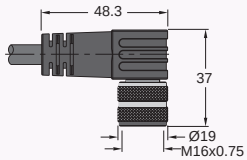
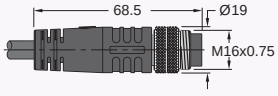
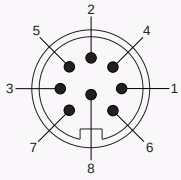
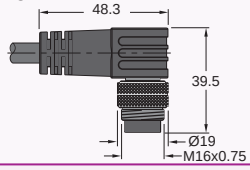
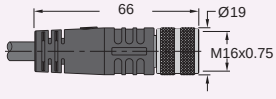
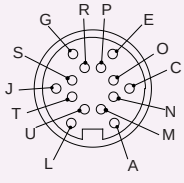
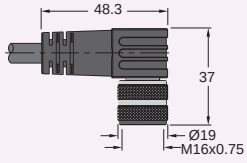
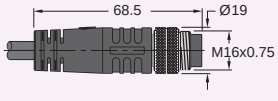
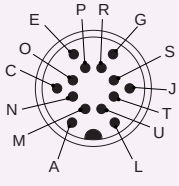
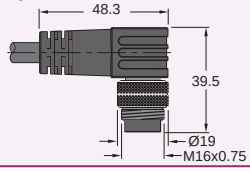
** Standard coupling nut material is nickel plated brass

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8pins/14pins M16 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:7A(18AWG)，3A(24AWG)
- Rated voltage:125V(18AWG)，30V(24AWG)
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female DNK..** 	DNK8-8-2M/P00 DNK8-8-5M/P00 DNK8-8-10M/P00	10100112 10100113 10100114	PVC/Back 8x18AWG Cable Type NO. : CS081800-*M	Female  1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD
Right angle Female DNLK..** 	DNLK8-8-2M/P00 DNLK8-8-5M/P00 DNLK8-8-10M/P00	10100115 10100116 10100117		
Straight Male DWZ..** 	DWZ8-8-2M/P00 DWZ8-8-5M/P00 DWZ8-8-10M/P00	10100021 10100106 10100107	PVC/Back 8x18AWG Cable Type NO. : CS081800-*M	Male  1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD
Right angle Male DWLZ..** 	DWLZ8-8-2M/P00 DWLZ8-8-5M/P00 DWLZ8-8-10M/P00	10100108 10100109 10100067		
Straight Female DNK..** 	DNK14-10-2M/P00 DNK14-10-5M/P00 DNK14-10-10M/P00	10100100 10052335 10100102	PVC/Back 2x20AWG +8*24AWG Ø8.0mm Cable Type NO. : CS102001-*M	Female  A.BN C.N/C E.BK G.PK J.GN L.BU M. and A short circuit N.N/C O.VT P.WH R.RD S.GY T.YE U. and L short circuit
Right angle Female DNLK..** 	DNLK14-10-2M/P00 DNLK14-10-5M/P00 DNLK14-10-10M/P00	10100110 10100111 10052334		
Straight Male DWZ..** 	DWZ14-10-2M/P00 DWZ14-10-5M/P00 DWZ14-10-10M/P00	10100120 10100118 10100119	PVC/Back 2x20AWG +8*24AWG Ø8.0mm Cable Type NO. : CS102001-*M	Male  A.BN C.N/C E.BK G.PK J.GN L.BU M.and A short circuit N.N/C O.VT P.WH R.RD S.GY T.YE U.and L short circuit
Right angle Male DWLZ..** 	DWLZ14-10-2M/P00 DWLZ14-10-5M/P00 DWLZ14-10-10M/P00	10100130 10100128 10100129		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

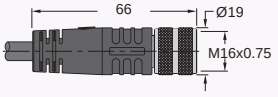
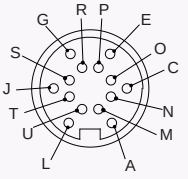
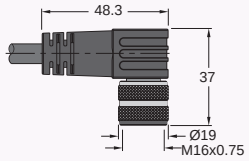
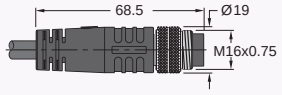
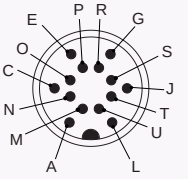
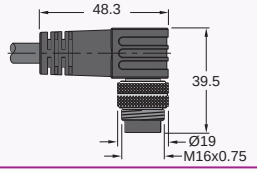
** Standard coupling nut material is nickel plated brass

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14pins M16 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:3A
- Rated voltage:30V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



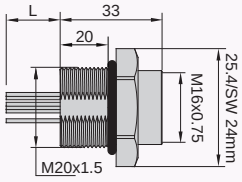
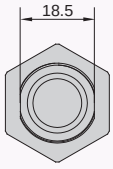
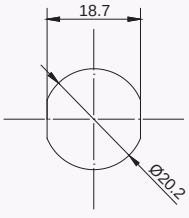
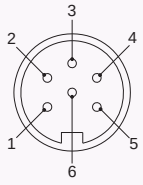
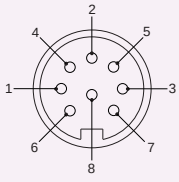
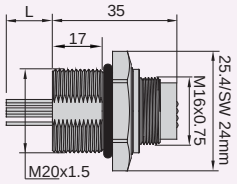
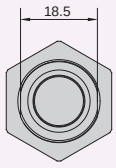
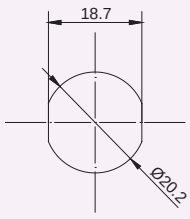
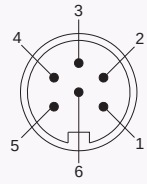
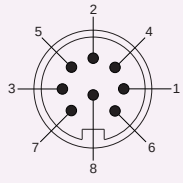
Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female DNK..** 	DNK14-14-2M/P00 DNK14-14-5M/P00 DNK14-14-10M/P00	10100150 10100151 10100152	PVC/Back 14*24AWG Cable Type NO. : CS142402-*M	Female  A. BN C. RD/BU E. BK G. PK J. GN L. BU M. OR N. GY/BN O. VT P. WH R. RD S. GY T. YE U. TN
Right angle Female DNLK..** 	DNLK14-14-2M/P00 DNLK14-14-5M/P00 DNLK14-14-10M/P00	10100170 10100171 10100172		
Straight Male DWZ..** 	DWZ14-14-2M/P00 DWZ14-14-5M/P00 DWZ14-14-10M/P00	10100190 10100191 10100192	PVC/Back 14*24AWG Cable Type NO. : CS142402-*M	Male  A. BN C. RD/BU E. BK G. PK J. GN L. BU M. OR N. GY/BN O. VT P. WH R. RD S. GY T. YE U. TN
Right angle Male DWLZ..** 	DWLZ14-14-2M/P00 DWLZ14-14-5M/P00 DWLZ14-14-10M/P00	10100210 10100211 10100212		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths ** Standard coupling nut material is nickel plated brass

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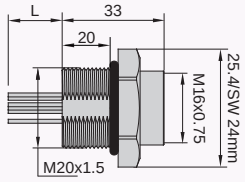
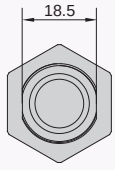
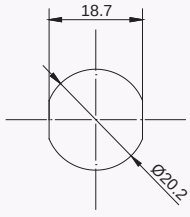
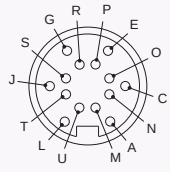
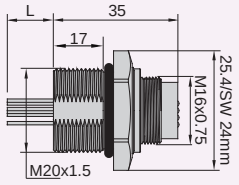
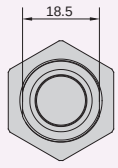
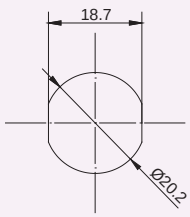
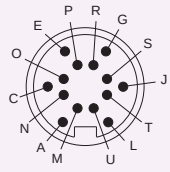
Receptacle	Type NO.	ID NO.	Features	Pinout
M16 front mount cordset, wire Female    Hole Size	FDNK6-62-0.5/M20 FDNK6-62-1.0/M20	10044000 10044001	6x0.75mm² PVC 105°C 300V 7A	Female  1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	FDNK8-82-0.5/M20 FDNK8-82-1.0/M20	10044011 10044024	8x0.75mm² PVC 125V 7A	Female  1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD
M16 front mount cordset, wire Male    Hole Size	FDWZ6-62-0.5/M20 FDWZ6-62-1.0/M20	10044120 10044121	6x0.75mm² PVC 300V 7A	Male  1. BN 2. WH 3. BU 4. BK 5. GY 6. PK
	FDWZ8-82-0.5/M20 FDWZ8-82-1.0/M20	10044025 10044026	8x0.75mm² PVC 125V 7A	Male  1. WH 2. BN 3. GN 4. YE 5. GY 6. PK 7. BU 8. RD

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14pins M16 receptacle



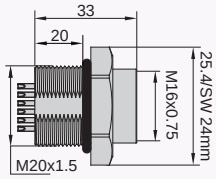
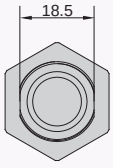
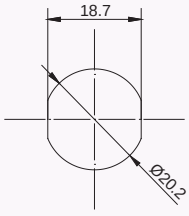
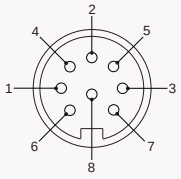
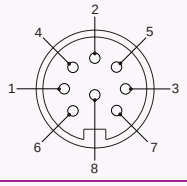
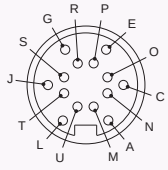
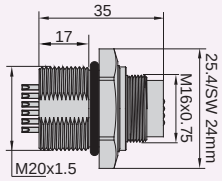
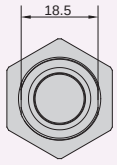
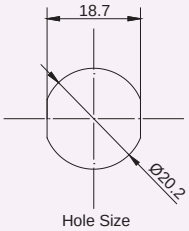
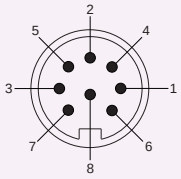
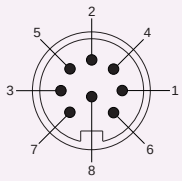
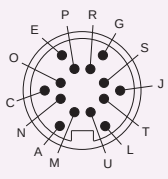


Receptacle	Type NO.	ID NO.	Features	Pinout
M16 front mount cordset, wire Female    Hole Size	FDNK14-142-0.5/M20 FDNK14-142-1.0/M20	10044010 10044011	14x0.25mm² PVC 30V 3A	Female  A. BN C. RD/BU E. BK G. PK J. GN L. BU M. OR N. GY/BN O. VT P. WH R. RD S. GY T. YE U. TN
M16 front mount cordset, wire Male    Hole Size	FDWZ14-142-0.5/M20 FDWZ14-142-1.0/M20	10044130 10044131	14x0.25mm² PVC 30V 3A	Male  A. BN C. RD/BU E. BK G. PK J. GN L. BU M. OR N. GY/BN O. VT P. WH R. RD S. GY T. YE U. TN

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Receptacle	Type NO.	ID NO.	Features	Pinout
M16 front mount cordset,solder cup Female    Hole Size	FDNK62-L/M20	10044002	6x0.75mm² PVC 300V 7A Solder cup	Female 
	FDNK82-L/M20	10044027	8x0.75mm2 PVC 125V 7A Solder cup	Female 
	FDNK142-L/M20	10044012	14x0.25mm² PVC 30V 3A Solder cup	Female 
M16 front mount cordset,solder cup Male    Hole Size	FDWZ62-L/M20	10044122	6x0.75mm² PVC 300V 7A Solder cup	Male 
	FDWZ82-L/M20	10044009	8x0.75mm2 PVC 300V 7A Solder cup	Male 
	FDWZ142-L/M20	10044132	14x0.25mm² PVC 30V 3A Solder cup	Male 

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M23 Industrial Connectors

M23 pre-moulding connectivity part number key

GN	L	K	12	–	12R	/	2M	/	P00	/	GY	24	/	CYE	HYE	/	T00
1	2	3	4		5		6		7		8	9		10	11		12

1 GN M23x1 connector_Internal thread
GW M23x1 connector_External thread

2 Blank Straight
L Right angle

3 K Female
Z Male

4 Number of pins
Contact distribution

5 Contact distribution
11/12/19
11R/12R/19R(180° Reverse)

6 Length [m]

7 Varieties

8 Color of cable
Blank Standard color (P00 BK,P10 BK)
GY Gray（customization）
YE Yellow（customization）

9 Wire gauge
Blank Standard wire gaufe
6-7pins14AWG(2.5mm²),
12-11,12-12(18AWG),
19-11(3*18+8*22AWG) ,
19-19(3*18+16*22AWG)
24 24AWG(0.25mm²)（customization）

10 Color of contact carrier
Blank Standard color6-9pins Black，
12-19pins White
CBU Blue contact carrier（customization）

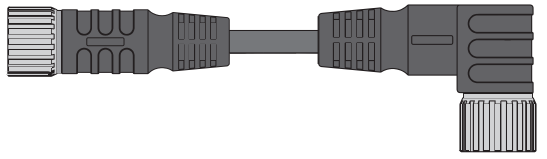
11 Color of plug body
Blank Standard black
HWH Plug body white（customization）

10 Varieties

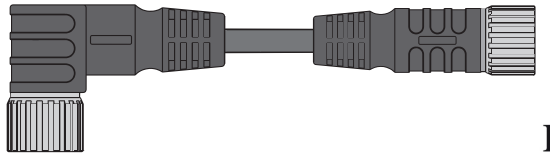
Extension Examples



GNK12-11 GNZ12-11-2M/P00



GNK12-11 GNLZ12-11-2M/P00



GNLK12-11 GNZ12-11-2M/P00

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Receptacle part number key

FGN	K	19-19	R	1	–	0.5	/	M20	/	22AWG	/	T00
1	2	3	4	5		6		7		8		9

1 FGN M23 Internal thread
FGW M23 External thread

2 K Female
Z Male

3 Number of pins
19-19 (19pin connect 19wire)

4 Pin direction
R 180° Reverse Pin

5 Termination (mounting style)
1 Rear mount
2 Front moumt

6 Length of cable
0.5=0.5m
L Solder cup
P PCB pins

7 Thread Type (connection thread)
PG13.5 13.5
M20 M20X1.5
NPT 1/2-14NPT
NPSM 1/2-14NPSM
RS14 rectangular screw connection (screw pitch 14mm)

8 Wire gauge
Blank 6-7pins 14AWG,12pin 18AWG
19pin 3x18AWG+16x22AWG

9 Varieties

Field wireable connector part number key

GN	L	K	192	8	–	0/M22/C	/	R
1	2	3	4	5		6		7

1 FGN M23 Internal thread
FGW M23 External thread

2 Blank Straight
L Right angle

3 K Female
Z Male

4 Number of pin/material of pin
1 Ag plated brass
2 Au plated brass

5 Housing material
8 Metal housing

7 Pin direction
R 180° Reverse Pin

6 Thread Type (connection thread)
0:Single cable

Cable opening
11,13.5(PG11,13.5)
M22(M22)

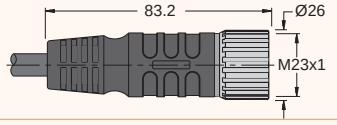
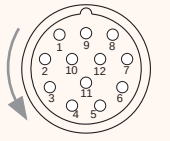
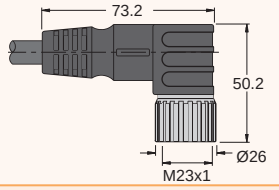
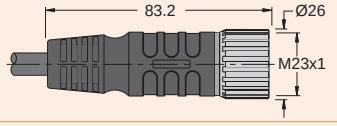
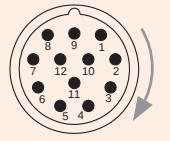
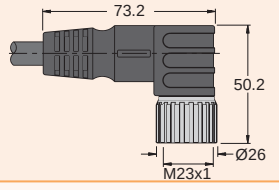
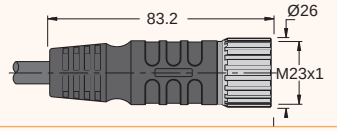
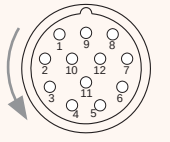
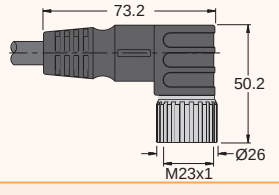
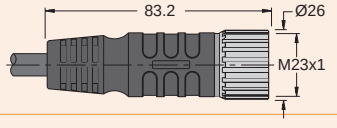
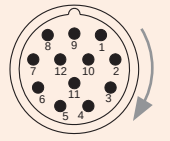
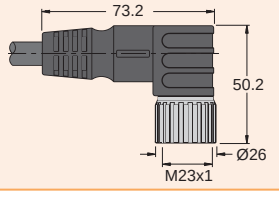
Termination
Blank Screw terminals
C Crimp
L Solder cup

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12pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:6A
- Rated voltage:300V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK12-11-2M/P00 GNK12-11-5M/P00 GNK12-11-10M/P00	10052000 10052001 10052002	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Female  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
Right angle Female GNLK..** 	GNLK12-11-2M/P00 GNLK12-11-5M/P00 GNLK12-11-10M/P00	10052020 10052021 10052022		
Straight Male GNZ..** 	GNZ12-11-2M/P00 GNZ12-11-5M/P00 GNZ12-11-10M/P00	10052010 10052011 10052012	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
Right angle Male GNLZ..** 	GNLZ12-11-2M/P00 GNLZ12-11-5M/P00 GNLZ12-11-10M/P00	10052030 10052031 10052032		
Straight Female GNK..** 	GNK12-12-2M/P00 GNK12-12-5M/P00 GNK12-12-10M/P00	10052040 10052041 10052042	PVC/Back 12x18AWG Ø10.5mm Cable Type NO. : CS121800-*M	Female  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
Right angle Female GNLK..** 	GNLK12-12-2M/P00 GNLK12-12-5M/P00 GNLK12-12-10M/P00	10052060 10052061 10052062		
Straight Male GNZ..** 	GNZ12-12-2M/P00 GNZ12-12-5M/P00 GNZ12-12-10M/P00	10052050 10052051 10052052	PVC/Back 12x18AWG Ø10.5mm Cable Type NO. : CS121800-*M	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
Right angle Male GNLZ..** 	GNLZ12-12-2M/P00 GNLZ12-12-5M/P00 GNLZ12-12-10M/P00	10052070 10052071 10052072		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

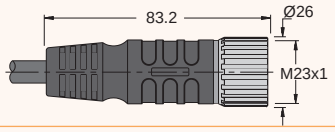
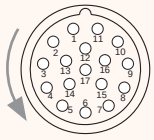
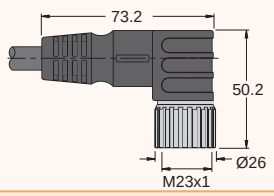
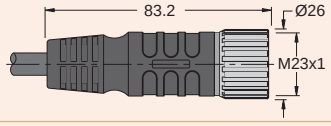
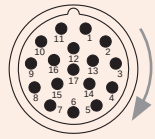
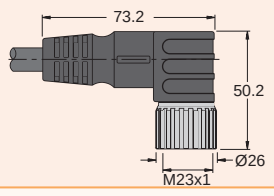
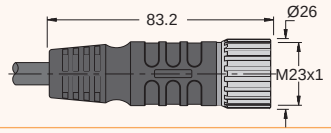
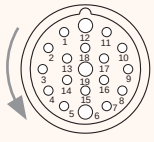
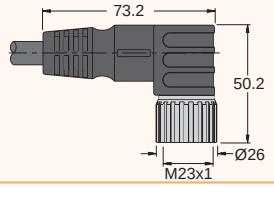
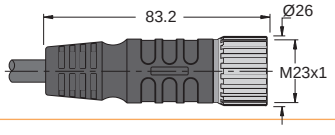
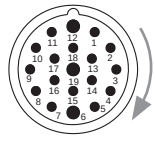
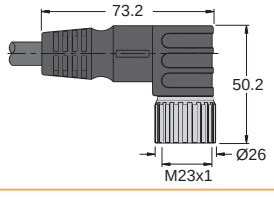
** Standard coupling nut material is nickel plated brass

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17pins/19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A(18AWG) 2A(22AWG)
- Rated voltage:150V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK17-17-2M/P00 GNK17-17-5M/P00 GNK17-17-10M/P00	10052051 10052044 10052045	PVC/Back 3x18+16*22AWG Ø10.5mm Cable Type NO. : CS192200-*M Cut off VT,GY/BN	Female  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Female GNLK..** 	GNLK17-17-2M/P00 GNLK17-17-5M/P00 GNLK17-17-10M/P00	10052047 10052060 10052049		
Straight Male GNZ..** 	GNZ17-17-2M/P00 GNZ17-17-5M/P00 GNZ17-17-10M/P00	10052080 10052081 10052082	PVC/Back 3x18+16*22AWG Ø10.5mm Cable Type NO. : CS192200-*M Cut off VT,GY/BN	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Male GNLZ..** 	GNLZ17-17-2M/P00 GNLZ17-17-5M/P00 GNLZ17-17-10M/P00	10050130 10052090 10052091		
Straight Female GNK..** 	GNK19-11-2M/P00 GNK19-11-5M/P00 GNK19-11-10M/P00	10052100 10052101 10052102	PVC/Back 3x18+8*22AWG Ø10.5mm Cable Type NO. : CS111801-*M	Female  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Female GNLK..** 	GNLK19-11-2M/P00 GNLK19-11-5M/P00 GNLK19-11-10M/P00	10052120 10052121 10052122		
Straight Male GNZ..** 	GNZ19-11-2M/P00 GNZ19-11-5M/P00 GNZ19-11-10M/P00	10052110 10052111 10052112	PVC/Back 3x18+8*22AWG Ø10.5mm Cable Type NO. : CS111801-*M	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Male GNLZ..** 	GNLZ19-11-2M/P00 GNLZ19-11-5M/P00 GNLZ19-11-10M/P00	10052130 10052131 10052132		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

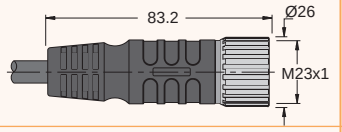
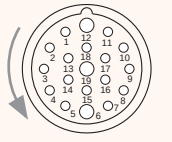
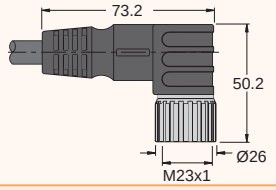
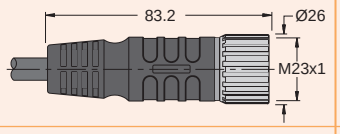
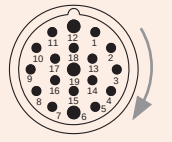
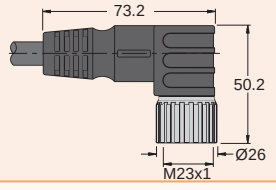
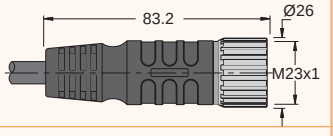
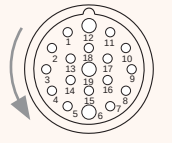
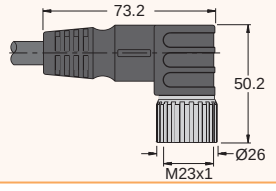
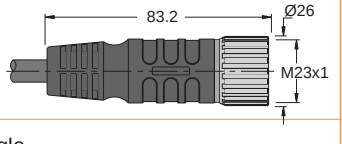
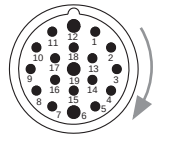
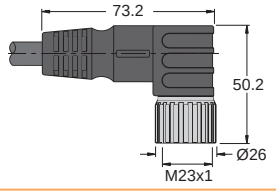
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19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A(18AWG) 2A(22AWG)
- Rated voltage:150V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK19-15-2M/P00 GNK19-15-5M/P00 GNK19-15-10M/P00	10052390 10052391 10052392	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Female  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
Right angle Female GNLK..** 	GNLK19-15-2M/P00 GNLK19-15-5M/P00 GNLK19-15-10M/P00	10052400 10052401 10052402		
Straight Male GNZ..** 	GNZ19-15-2M/P00 GNZ19-15-5M/P00 GNZ19-15-10M/P00	10052420 10052421 10052422	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
Right angle Male GNLZ..** 	GNLZ19-15-2M/P00 GNLZ19-15-5M/P00 GNLZ19-15-10M/P00	10052430 10052431 10052432		
Straight Female GNK..** 	GNK19-19-2M/P00 GNK19-19-5M/P00 GNK19-19-10M/P00	10052200 10052201 10052202	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Female  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN
Right angle Female GNLK..** 	GNLK19-19-2M/P00 GNLK19-19-5M/P00 GNLK19-19-10M/P00	10052220 10052221 10052222		
Straight Male GNZ..** 	GNZ19-19-2M/P00 GNZ19-19-5M/P00 GNZ19-19-10M/P00	10052210 10052211 10052212	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN
Right angle Male GNLZ..** 	GNLZ19-19-2M/P00 GNLZ19-19-5M/P00 GNLZ19-19-10M/P00	10052230 10052231 10052232		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

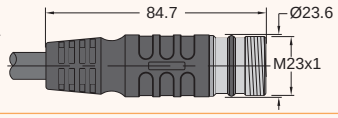
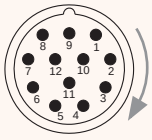
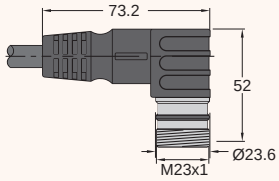
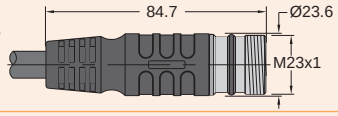
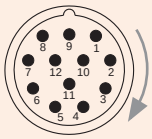
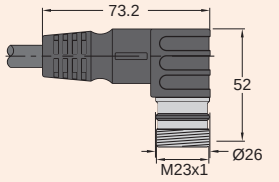
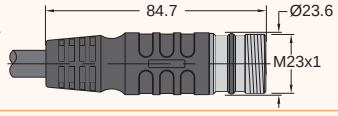
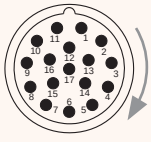
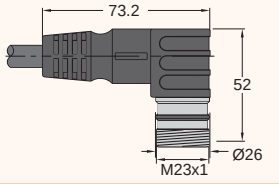
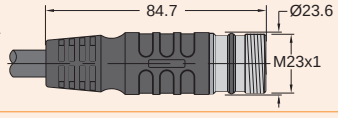
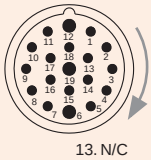
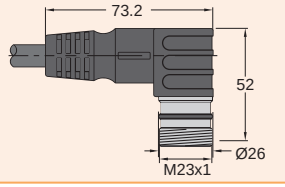
** Standard coupling nut material is nickel plated brass

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12pins/17pins/19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100
- Rated current:12pins 6A\19pins 9A (18AWG) , 2A (22AWG)
- Rated voltage:12pins 300V\19pins 150V



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GWZ..** 	GWZ12-11-2M/P00 GWZ12-11-5M/P00 GWZ12-11-10M/P00	10052400 10052401 10052402	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
Right angle Male GWLZ..** 	GWLZ12-11-2M/P00 GWLZ12-11-5M/P00 GWLZ12-11-10M/P00	10052410 10052411 10052412		
Straight Male GWZ..** 	GWZ12-12-2M/P00 GWZ12-12-5M/P00 GWZ12-12-10M/P00	10052420 10052421 10052422	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
Right angle Male GWLZ..** 	GWLZ12-12-2M/P00 GWLZ12-12-5M/P00 GWLZ12-12-10M/P00	10052430 10052431 10052432		
Straight Male GWZ..** 	GWZ17-17-2M/P00 GWZ17-17-5M/P00 GWZ17-17-10M/P00	10052440 10052441 10052442	PVC/Back 3x18+16*22AWG Ø10.5mm Cable Type NO. : CS192200-*M Cut off VT,GY/BN	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Male GWLZ..** 	GWLZ17-17-2M/P00 GWLZ17-17-5M/P00 GWLZ17-17-10M/P00	10052450 10052451 10052452		
Straight Male GWZ..** 	GWZ19-11-2M/P00 GWZ19-11-5M/P00 GWZ19-11-10M/P00	10052440 10052441 10052442	PVC/Back 3x18+8*22AWG Ø10.5mm Cable Type NO. : CS111801-*M	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Male GWLZ..** 	GWLZ19-11-2M/P00 GWLZ19-11-5M/P00 GWLZ19-11-10M/P00	10052450 10052451 10052452		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

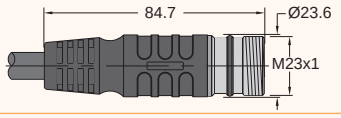
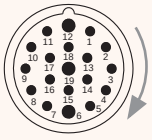
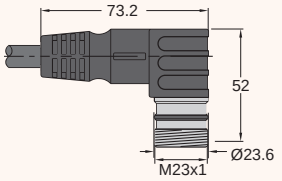
** Standard coupling nut material is nickel plated brass

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19pins M23 Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100
- Rated current:12pins 6A\19pins 9A (18AWG) , 2A (22AWG)
- Rated voltage:12pins 300V\19pins 150V



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GWZ..** 	GWZ19-19-2M/P00 GWZ19-19-5M/P00 GWZ19-19-10M/P00	10052460 10052461 10052462	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male 
Right angle Male GWLZ..** 	GWLZ19-19-2M/P00 GWLZ19-19-5M/P00 GWLZ19-19-10M/P00	10052470 10052471 10052472		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

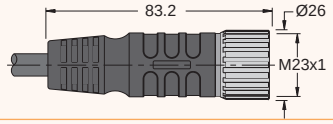
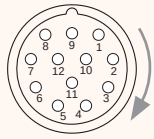
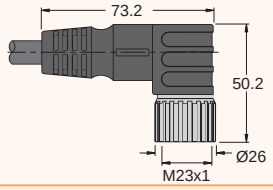
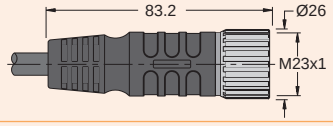
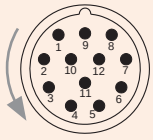
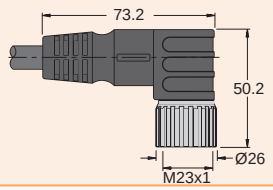
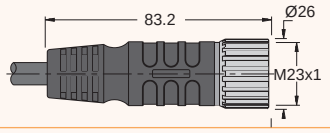
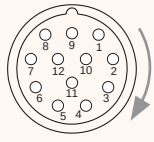
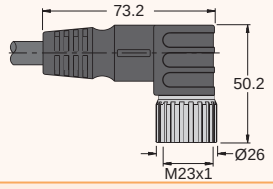
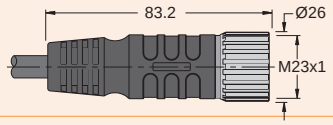
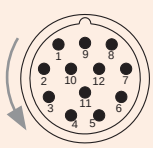
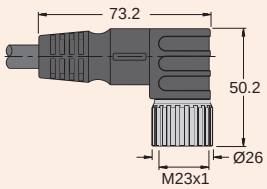
** Standard coupling nut material is nickel plated brass

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12pins M23 Pre-moulding connector(Reverse)

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:6A
- Rated voltage:300V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK12-11R-2M/P00 GNK12-11R-5M/P00 GNK12-11R-10M/P00	10052240 10052241 10052242	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Female  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
Right angle Female GNLK..** 	GNLK12-11R-2M/P00 GNLK12-11R-5M/P00 GNLK12-11R-10M/P00	10052250 10052251 10052252		
Straight Male GNZ..** 	GNZ12-11R-2M/P00 GNZ12-11R-5M/P00 GNZ12-11R-10M/P00	10052260 10052261 10052262	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
Right angle Male GNLZ..** 	GNLZ12-11R-2M/P00 GNLZ12-11R-5M/P00 GNLZ12-11R-10M/P00	10052270 10052271 10052272		
Straight Female GNK..** 	GNK12-12R-2M/P00 GNK12-12R-5M/P00 GNK12-12R-10M/P00	10052280 10052281 10052282	PVC/Back 12x18AWG Ø10.5mm Cable Type NO. : CS121800-*M	Female  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
Right angle Female GNLK..** 	GNLK12-12R-2M/P00 GNLK12-12R-5M/P00 GNLK12-12R-10M/P00	10052290 10052291 10052292		
Straight Male GNZ..** 	GNZ12-12R-2M/P00 GNZ12-12R-5M/P00 GNZ12-12R-10M/P00	10052300 10052301 10052302	PVC/Back 12x18AWG Ø10.5mm Cable Type NO. : CS121800-*M	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
Right angle Male GNLZ..** 	GNLZ12-12R-2M/P00 GNLZ12-12R-5M/P00 GNLZ12-12R-10M/P00	10052310 10052311 10052312		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

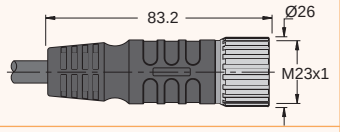
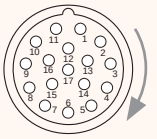
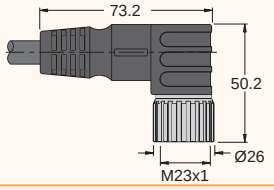
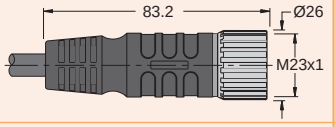
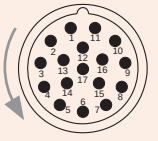
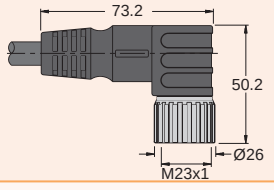
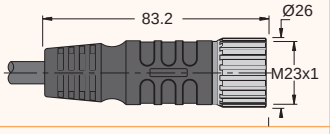
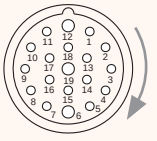
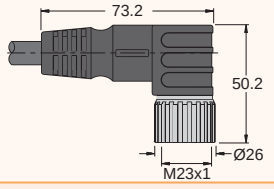
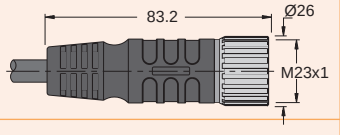
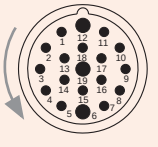
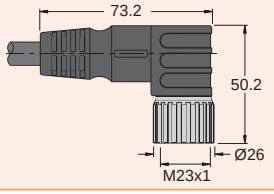
** Standard coupling nut material is nickel plated brass

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17pins/19pins M23 Pre-moulding connector(Reverse)

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A(18AWG) 2A(22AWG)
- Rated voltage:150V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Female GNK..** 	GNK17-17R-2M/P00 GNK17-17R-5M/P00 GNK17-17R-10M/P00	10052460 10052461 10052462	PVC/Back 3x18+16*22AWG Ø10.5mm Cable Type NO. : CS192200-*M Cut off VT,GY/BN	Female  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Female GNLK..** 	GNLK17-17R-2M/P00 GNLK17-17R-5M/P00 GNLK17-17R-10M/P00	10052470 10052471 10052472		
Straight Male GNZ..** 	GNZ17-17R-2M/P00 GNZ17-17R-5M/P00 GNZ17-17R-10M/P00	10052480 10052481 10052482	PVC/Back 3x18+16*22AWG Ø10.5mm Cable Type NO. : CS192200-*M Cut off VT,GY/BN	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
Right angle Male GNLZ..** 	GNLZ17-17R-2M/P00 GNLZ17-17R-5M/P00 GNLZ17-17R-10M/P00	10052490 10052491 10052492		
Straight Female GNK..** 	GNK19-11R-2M/P00 GNK19-11R-5M/P00 GNK19-11R-10M/P00	10052320 10052321 10052322	PVC/Back 3x18+8*22AWG Ø10.5mm Cable Type NO. : CS111801-*M	Female  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Female GNLK..** 	GNLK19-11R-2M/P00 GNLK19-11R-5M/P00 GNLK19-11R-10M/P00	10052330 10052331 10052332		
Straight Male GNZ..** 	GNZ19-11R-2M/P00 GNZ19-11R-5M/P00 GNZ19-11R-10M/P00	10052340 10052341 10052342	PVC/Back 3x18+8*22AWG Ø10.5mm Cable Type NO. : CS111801-*M	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Male GNLZ..** 	GNLZ19-11R-2M/P00 GNLZ19-11R-5M/P00 GNLZ19-11R-10M/P00	10052350 10052351 10052352		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

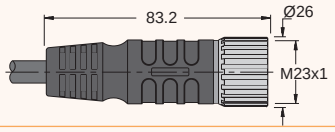
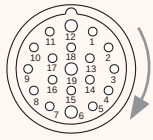
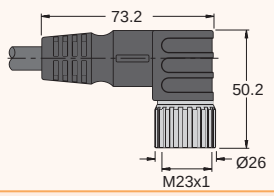
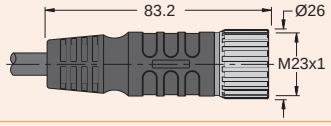
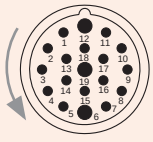
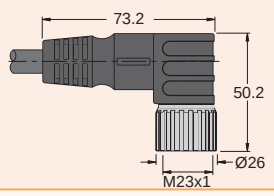
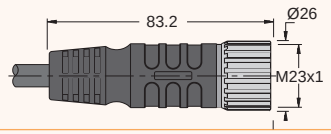
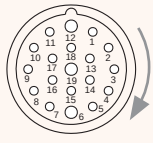
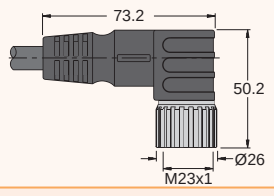
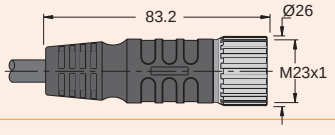
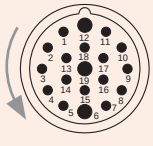
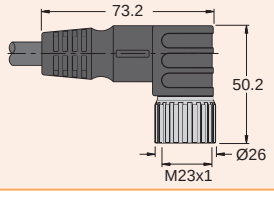
** Standard coupling nut material is nickel plated brass

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19pins M23 Pre-moulding connector(Reverse)

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A(18AWG) 2A(22AWG)
- Rated voltage:150V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GNK..** 	GNK19-15R-2M/P00 GNK19-15R-5M/P00 GNK19-15R-10M/P00	10052500 10052501 10052502	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Female  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
Right angle Male GNLK..** 	GNLK19-15R-2M/P00 GNLK19-15R-5M/P00 GNLK19-15R-10M/P00	10052510 10052511 10052512		
Straight Male GNZ..** 	GNZ19-15R-2M/P00 GNZ19-15R-5M/P00 GNZ19-15R-10M/P00	10052520 10052521 10052522	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
Right angle Male GNLZ..** 	GNLZ19-15R-2M/P00 GNLZ19-15R-5M/P00 GNLZ19-15R-10M/P00	10052530 10052531 10052532		
Straight Male GNK..** 	GNK19-19R-2M/P00 GNK19-19R-5M/P00 GNK19-19R-10M/P00	10052360 10052361 10052362	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Female  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN
Right angle Male GNLK..** 	GNLK19-19R-2M/P00 GNLK19-19R-5M/P00 GNLK19-19R-10M/P00	10052370 10052371 10052372		
Straight Male GNZ..** 	GNZ19-19R-2M/P00 GNZ19-19R-5M/P00 GNZ19-19R-10M/P00	10052380 10052381 10052382	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN
Right angle Male GNLZ..** 	GNLZ19-19R-2M/P00 GNLZ19-19R-5M/P00 GNLZ19-19R-10M/P00	10052390 10052391 10052392		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

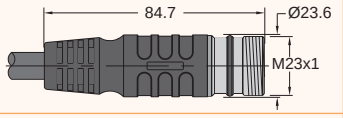
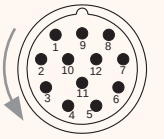
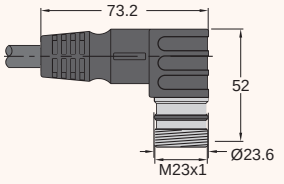
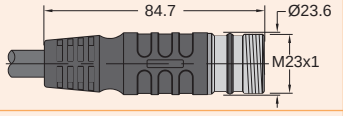
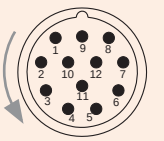
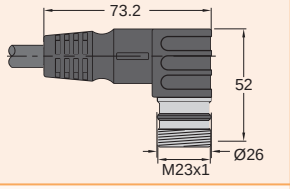
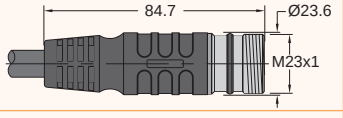
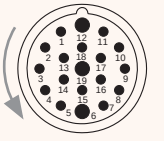
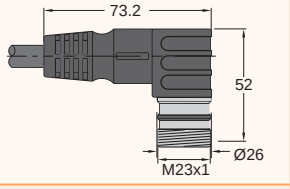
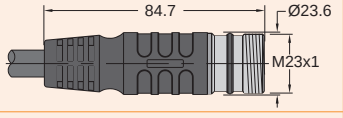
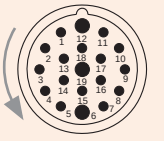
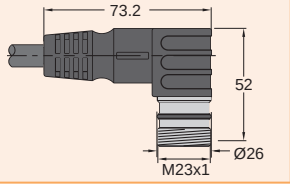
** Standard coupling nut material is nickel plated brass

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12pins/19pins M23 Pre-moulding connector(Reverse)

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:12pins 6A\19pins 9A (18AWG) , 2A (22AWG)
- Rated voltage:12pins 300V\19pins 150V
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GWZ..** 	GWZ12-11R-2M/P00 GWZ12-11R-5M/P00 GWZ12-11R-10M/P00	10052480 10052481 10052482	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
Right angle Male GWLZ..** 	GWLZ12-11R-2M/P00 GWLZ12-11R-5M/P00 GWLZ12-11R-10M/P00	10052490 10052491 10052492		
Straight Male GWZ..** 	GWZ12-12R-2M/P00 GWZ12-12R-5M/P00 GWZ12-12R-10M/P00	10052500 10052501 10052502	PVC/Back 11x18AWG Ø10.mm Cable Type NO. : CS111800-*M	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
Right angle Male GWLZ..** 	GWLZ12-12R-2M/P00 GWLZ12-12R-5M/P00 GWLZ12-12R-10M/P00	10052510 10052511 10052512		
Straight Male GWZ..** 	GWZ19-11R-2M/P00 GWZ19-11R-5M/P00 GWZ19-11R-10M/P00	10052520 10052521 10052522	PVC/Back 3x18+8*22AWG Ø10.5mm Cable Type NO. : CS111801-*M	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
Right angle Male GWLZ..** 	GWLZ19-11R-2M/P00 GWLZ19-11R-5M/P00 GWLZ19-11R-10M/P00	10052530 10052531 10052532		
Straight Male GWZ..** 	GWZ19-15R-2M/P00 GWZ19-15R-5M/P00 GWZ19-15R-10M/P00	10052540 10052541 10052542	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
Right angle Male GWLZ..** 	GWLZ19-15R-2M/P00 GWLZ19-15R-5M/P00 GWLZ19-15R-10M/P00	10052550 10052551 10052552		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

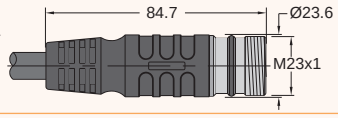
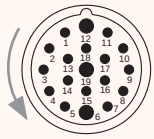
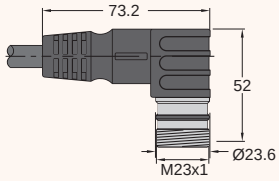
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19pins M23 Pre-moulding connector(Reverse)

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/White
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-30...+90℃
- Mechanical operation:≥100
- Rated current:12pins 6A\19pins 9A (18AWG) , 2A (22AWG)
- Rated voltage:12pins 300V\19pins 150V



Pre-moulding connector	Type NO.	ID NO.	Cable	Pinout
Straight Male GWZ..** 	GWZ19-19R-2M/P00 GWZ19-19R-5M/P00 GWZ19-19R-10M/P00	10052540 10052541 10052542	PVC/Back 3x18+16*22AWG Ø10.7mm Cable Type NO. : CS192200-*M	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN
Right angle Male GWLZ..** 	GWLZ19-19R-2M/P00 GWLZ19-19R-5M/P00 GWLZ19-19R-10M/P00	10052550 10052551 10052552		

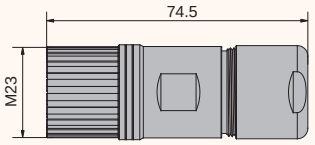
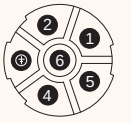
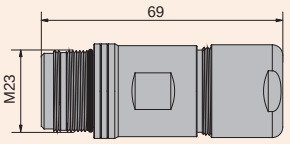
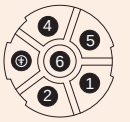
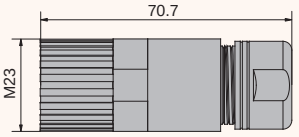
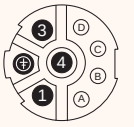
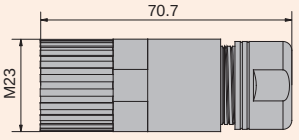
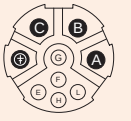
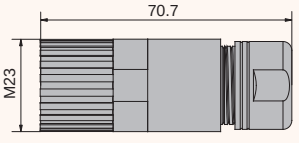
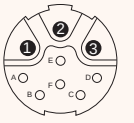
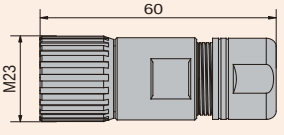
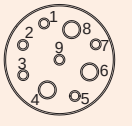
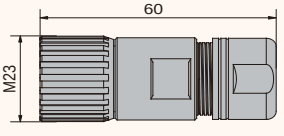
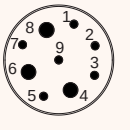
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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6pins/8pins/9pins M23 field wirable connector

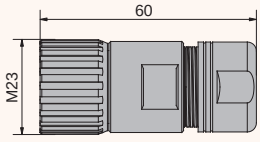
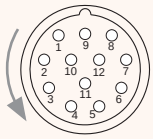
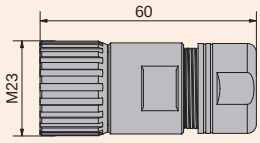
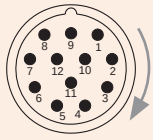
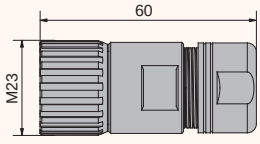
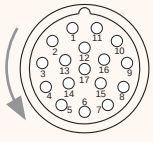
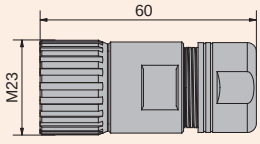
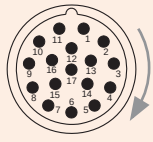
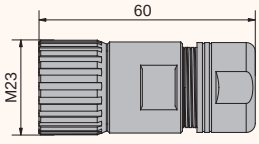
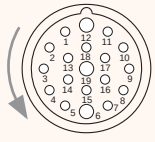
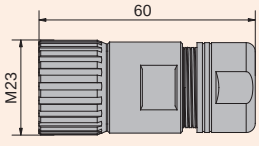
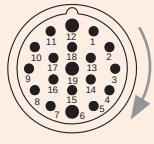


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 6pins Straight Female 	GNK6228-0/M22/C	10095004	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 6 POS Power : 630 V , 28 A	Female 
M23 6pins Straight Male 	GWZ6228-0/M22/C	10052560	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 6 POS Power : 630 V , 28 A	Male 
M23 8pins Straight Female 	GNK8228-0/M22/C	10052570	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 8 POS(4+4) Power : 630 V , 30 A Signal : 250 V , 10 A	Female 
M23 9pins Straight Female 	GNK9428-0/M22/C	10052580	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 9 POS(4+5) Power : 630 V , 30 A Signal : 250 V , 10 A	Female 
M23 9pins Straight Female 	GNK9328-0/M22/C	10052590	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 9 POS(3+6) Power : 630 V , 30 A Signal : 250 V , 10 A	Female 
M23 9pins Straight Female 	GNK9628-0/M22/C	10095025	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 9 POS(3+6) Power : 150 V , 20 A Signal : 150 V , 8 A	Female 
M23 9pins Straight Female 	GNZ9628-0/M22/C	10095026	Brass M22 cable gland Accept 5~10mm cable diameter Crimp 85°C , 9 POS(3+6) Power : 150 V , 20 A Signal : 150 V , 8 A	Male 

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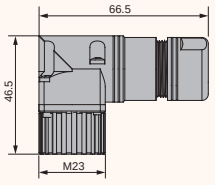
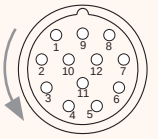
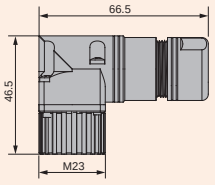
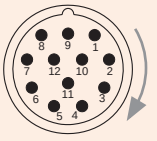
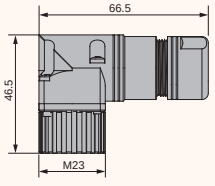
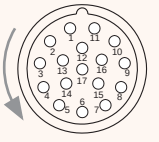
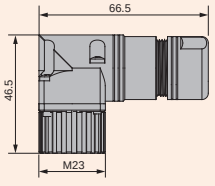
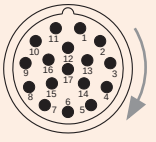
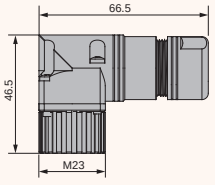
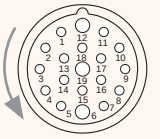
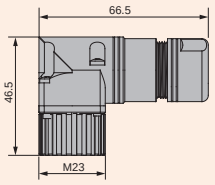
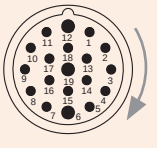

Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 12pins Straight Female 	GNK1228-0/M22/L	10095000	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 12pins Straight Male 	GNZ1228-0/M22/L	10095010	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 17pins Straight Female 	GNK1728-0/M22/L	10052600	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 17pins Straight Male 	GNZ1728-0/M22/L	10052610	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 19pins Straight Female 	GNK1928-0/M22/L	10095001	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 19pins Straight Male 	GNZ1928-0/M22/L	10095021	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 

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12pins/17pins/19pins M23 field wirable connector



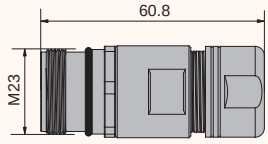
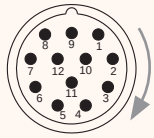
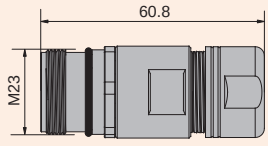
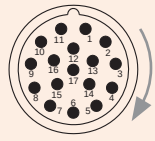
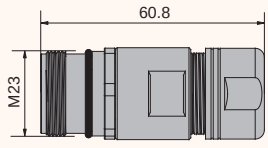
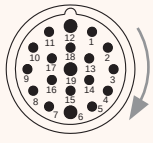


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 12pins Right angle Female 	GNLK1228-0/M22/L	10052571	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 12pins Right angle Male 	GNLZ1228-0/M22/L	10052572	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 17pins Right angle Female 	GNLK1728-0/M22/L	10052612	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 17pins Right angle Male 	GNLZ1728-0/M22/L	10052573	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 19pins Right angle Female 	GNLK1928-0/M22/L	10052613	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 19pins Right angle Male 	GNLZ1928-0/M22/L	10052574	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 

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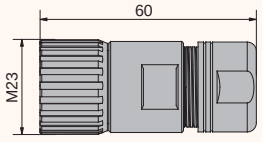
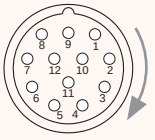
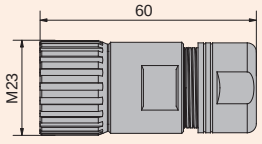
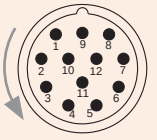
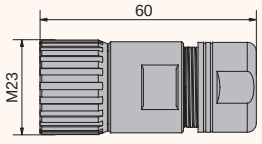
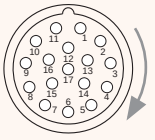
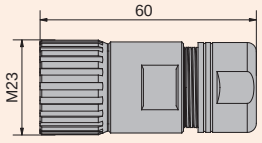
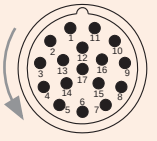
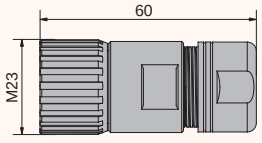
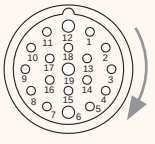
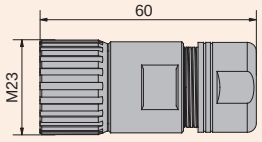
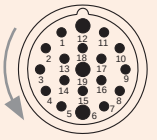
Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 12pins Straight Male 	GWZ1228-0/M22/L	10052680	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 17pins Straight Male 	GWZ1728-0/M22/L	10052690	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 19pins Straight Male 	GWZ1928-0/M22/L	10052700	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 

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12pins/17pins/19pins M23 field wirable connector(Reverse)



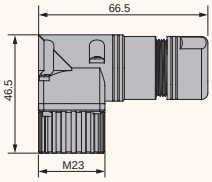
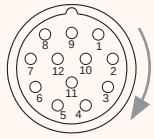
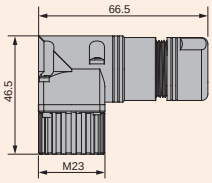
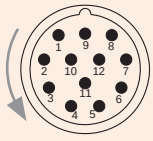
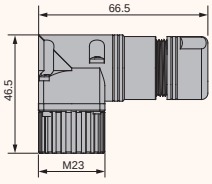
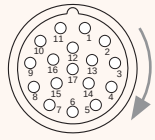
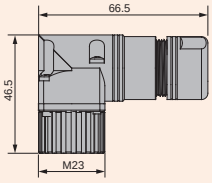
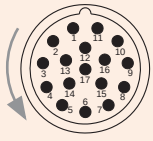
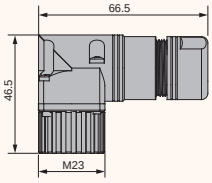
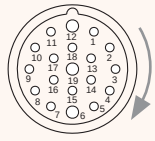
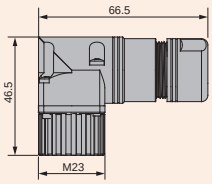
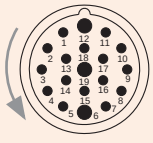



Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 12pins Straight Female 	GNK1228-0/M22/L/R	10052620	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C，250 V, 9 A	Female 
M23 12pins Straight Male 	GNZ1228-0/M22/L/R	10052630	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C，250 V, 9 A	Male 
M23 17pins Straight Female 	GNK1728-0/M22/L/R	10052640	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C，250 V, 9 A	Female 
M23 17pins Straight Male 	GNZ1728-0/M22/L/R	10052650	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C，250 V, 9 A	Male 
M23 19pins Straight Female 	GNK1928-0/M22/L/R	10052660	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C，250 V, 9 A	Female 
M23 19pins Straight Male 	GNZ1928-0/M22/L/R	10052670	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C，250 V, 9 A	Male 

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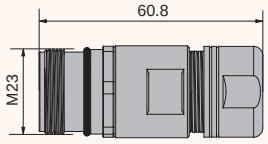
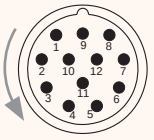
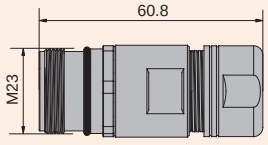
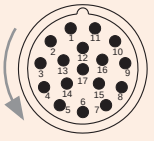
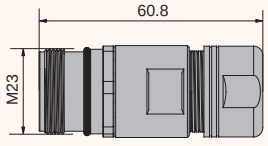
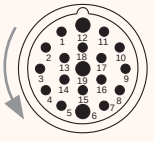


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 12pins Right angle Female 	GNLK1228-0/M22/L/R	10052575	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 12pins Right angle Male 	GNLZ1228-0/M22/L/R	10052576	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 17pins Right angle Female 	GNLK1728-0/M22/L/R	10052577	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 17pins Right angle Male 	GNLZ1728-0/M22/L/R	10052578	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 19pins Right angle Female 	GNLK1928-0/M22/L/R	10052579	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Female 
M23 19pins Right angle Male 	GNLZ1928-0/M22/L/R	10052581	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 

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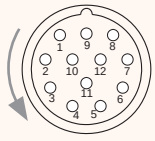
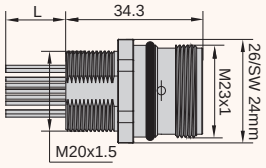
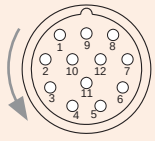
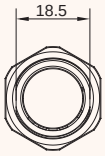
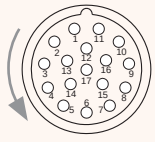
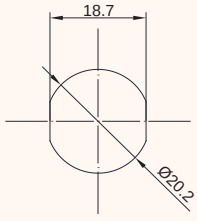
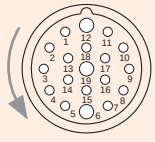
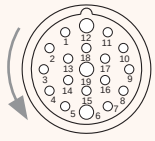
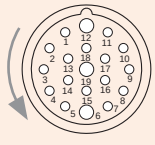


Field wireable connector	Type NO.	ID NO.	Features	Pinout
M23 12pins Straight Male 	GWZ1228-0/M22/L/R	10052710	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 17pins Straight Male 	GWZ1728-0/M22/L/R	10052720	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 
M23 19pins Straight Male 	GWZ1928-0/M22/L/R	10052730	Brass M22 cable gland Accept 5~10mm cable diameter Solder cup 85°C , 250 V, 9 A	Male 

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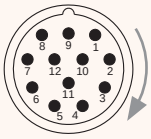
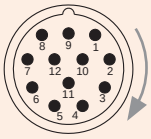
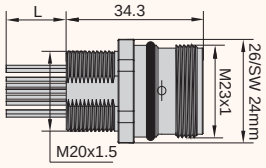
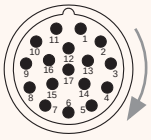
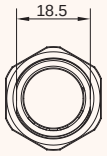
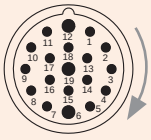
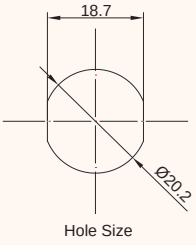
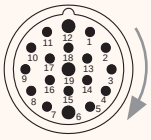
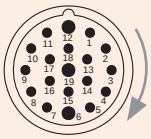


Receptacle	Type NO.	ID NO.	Features	Pinout
M23 front mount cordset, wire Female	FGWK12-112-0.5/M20 FGWK12-112-1.0/M20	10044990 10044991	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Female  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
 	FGWK12-122-0.5/M20 FGWK12-122-1.0/M20	10045000 10045003	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Female  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
 	FGWK17-172-0.5/M20 FGWK17-172-1.0/M20	10044980 10044981	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
 Hole Size	FGWK19-112-0.5/M20 FGWK19-112-1.0/M20	10044970 10044971	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
	FGWK19-152-0.5/M20 FGWK19-152-1.0/M20	10044960 10044961	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWK19-192-0.5/M20 FGWK19-192-1.0/M20	10045010 10044021	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN

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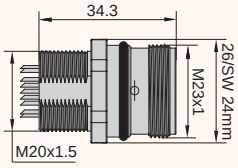
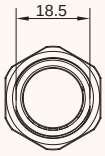
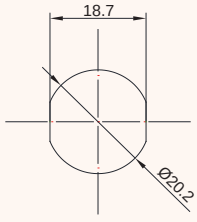
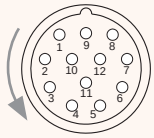
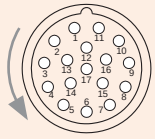
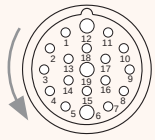
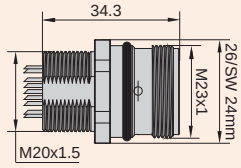
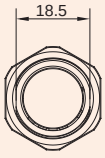
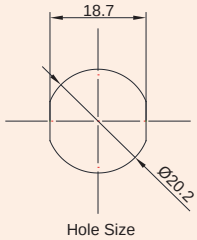
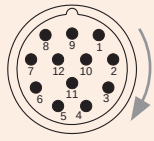
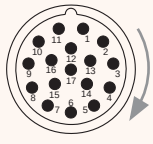
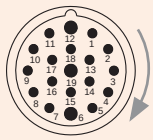


Receptacle	Type NO.	ID NO.	Features	Pinout
M23 front mount cordset, wire Male	FGWZ12-112-0.5/M20 FGWZ12-112-1.0/M20	10044950 10044951	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
	FGWZ12-122-0.5/M20 FGWZ12-122-1.0/M20	10045120 10045119	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	FGWZ17-172-0.5/M20 FGWZ17-172-1.0/M20	10044940 10044941	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWZ19-112-0.5/M20 FGWZ19-112-1.0/M20	10044930 10044931	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
 Hole Size	FGWZ19-152-0.5/M20 FGWZ19-152-1.0/M20	10044920 10044921	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWZ19-192-0.5/M20 FGWZ19-192-1.0/M20	10045130 10045133	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN

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Receptacle	Type NO.	ID NO.	Features	Pinout
M23 front mount cordset external thread Solder cup Female    Hole Size	FGWK122-L/M20	10045002	Wire guage : 0.75mm² Current : 6A Voltage : 300V Connection : Solder cup	Female 
	FGWK172-L/M20	1005003	Wire guage : 0.75mm² Current : 6A Voltage : 300V Connection : Solder cup	Female 
	FGWK192-L/M20	10045141	Power wire : 0.75mm² Signal wire : 0.34mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Female 
M23 front mount cordset external thread Solder cup Male    Hole Size	FGWZ122-L/M20	10045122	Wire guage : 0.75mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 
	FGWZ172-L/M20	10045004	Wire guage : 0.75mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 
	FGWZ192-L/M20	10045132	Power wire : 0.75mm² Signal wire : 0.34mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 

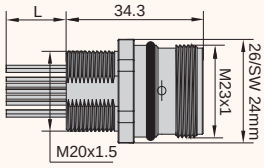
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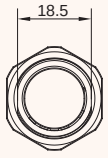
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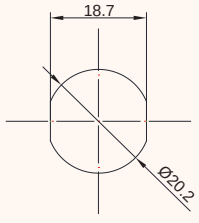




Receptacle	Type NO.	ID NO.	Features	Pinout
M23 front mount cordset, wire Female	FGWK12-11R2-0.5/M20 FGWK12-11R2-1.0/M20	10044500 10044501	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Female 1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
	FGWK12-12R2-0.5/M20 FGWK12-12R2-1.0/M20	10044510 10044511	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Female 1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	FGWK17-17R2-0.5/M20 FGWK17-17R2-1.0/M20	10044520 10044521	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWK19-11R2-0.5/M20 FGWK19-11R2-1.0/M20	10044530 10044531	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
	FGWK19-15R2-0.5/M20 FGWK19-15R2-1.0/M20	10044540 10044541	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWK19-19R2-0.5/M20 FGWK19-19R2-1.0/M20	10044550 10044551	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN





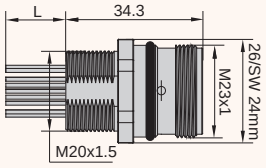
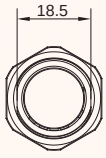
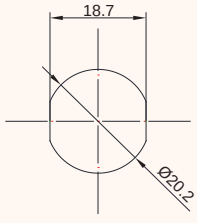
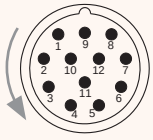
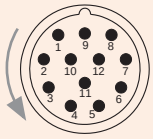
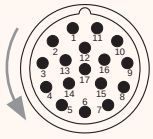
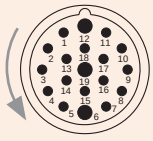
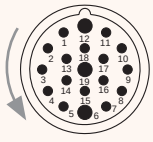
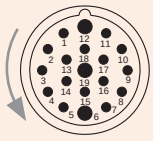


Hole Size

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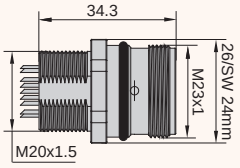
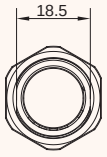
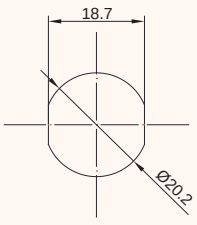
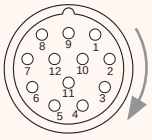
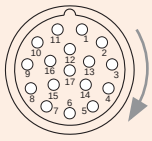
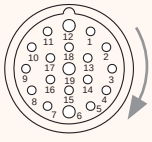
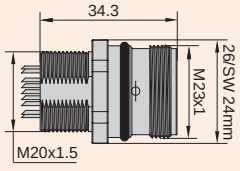
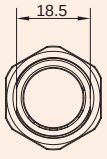
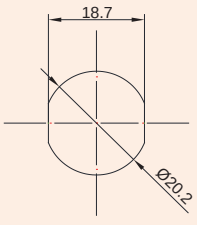
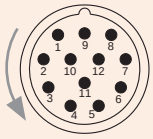
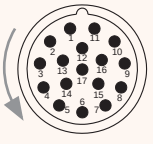
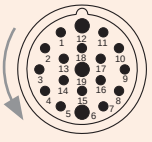
Receptacle	Type NO.	ID NO.	Features	Pinout
M23 front mount cordset, wire Male    Hole Size	FGWZ12-11R2-0.5/M20 FGWZ12-11R2-1.0/M20	10044560 10044561	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
	FGWZ12-12R2-0.5/M20 FGWZ12-12R2-1.0/M20	10044570 10044571	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	FGWZ17-17R2-0.5/M20 FGWZ17-17R2-1.0/M20	10044580 10044581	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWZ19-11R2-0.5/M20 FGWZ19-11R2-1.0/M20	10044590 10044591	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
	FGWZ19-15R2-0.5/M20 FGWZ19-15R2-1.0/M20	10044600 10044601	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWZ19-19R2-0.5/M20 FGWZ19-19R2-1.0/M20	10044610 10044611	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN

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M23 receptacle(Reverse)



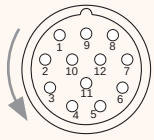
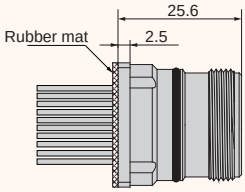
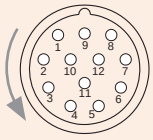
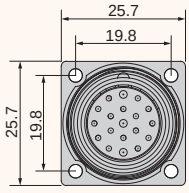
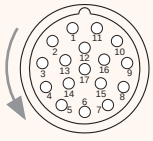
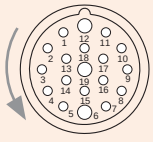
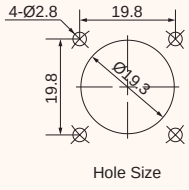
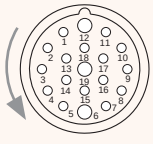
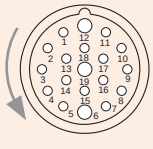


Receptacle	Type NO.	ID NO.	Features	Pinout
M23 front mount cordset external thread Solder cup Female    Hole Size	FGWK12R2-L/M20	10044710	Wire guage : 0.75mm² Current : 6A Voltage : 300V Connection : Solder cup	Female 
	FGWK17R2-L/M20	10044711	Wire guage : 0.75mm² Current : 6A Voltage : 300V Connection : Solder cup	Female 
	FGWK19R2-L/M20	10044712	Power wire : 0.75mm² Signal wire : 0.34mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Female 
M23 front mount cordset external thread Solder cup Female    Hole Size	FGWZ12R2-L/M20	10044713	Wire guage : 0.75mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 
	FGWZ17R2-L/M20	10044714	Wire guage : 0.75mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 
	FGWZ19R2-L/M20	10044715	Power wire : 0.75mm² Signal wire : 0.34mm² Power : 9A Signal : 2A Voltage : 150V Connection : Solder cup	Male 

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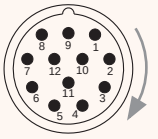
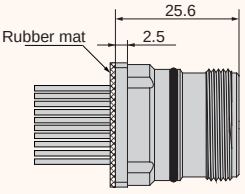
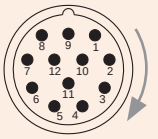
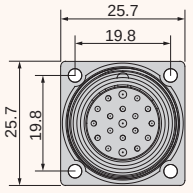
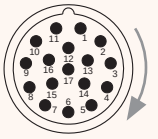
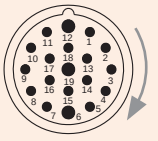
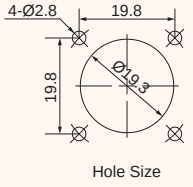
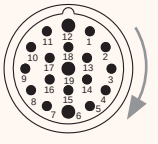
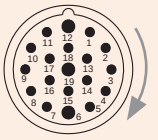


Receptacle	Type NO.	ID NO.	Features	Pinout
M23 rectangular screw connection, wire Female	FGWK12-11-0.5/RS19.8 FGWK12-11-1.0/RS19.8	10044220 10044221	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Female  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
	FGWK12-12-0.5/RS19.8 FGWK12-12-1.0/RS19.8	10044230 10044231	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Female  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	FGWK17-17-0.5/RS19.8 FGWK17-17-1.0/RS19.8	10044240 10044241	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWK19-11-0.5/RS19.8 FGWK19-11-1.0/RS19.8	10044250 10044251	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
 Hole Size	FGWK19-15-0.5/RS19.8 FGWK19-15-1.0/RS19.8	10044260 10044261	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWK19-19-0.5/RS19.8 FGWK19-19-1.0/RS19.8	10044270 10044271	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN

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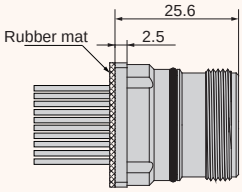
Receptacle	Type NO.	ID NO.	Features	Pinout
M23 rectangular screw connection, wire Male	FGWZ12-11-0.5/RS19.8 FGWZ12-11-1.0/RS19.8	10044280 10044281	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
 	FGWZ12-12-0.5/RS19.8 FGWZ12-12-1.0/RS19.8	10044290 10044291	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
 	FGWZ17-17-0.5/RS19.8 FGWZ17-17-1.0/RS19.8	10044300 10044301	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWZ19-11-0.5/RS19.8 FGWZ19-11-1.0/RS19.8	10044310 10044311	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
 Hole Size	FGWZ19-15-0.5/RS19.8 FGWZ19-15-1.0/RS19.8	10044450 10044451	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWZ19-19-0.5/RS19.8 FGWZ19-19-1.0/RS19.8	10044320 10044321	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN

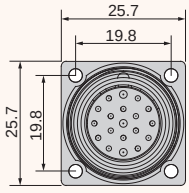
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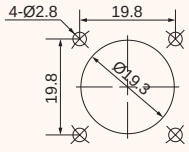




Receptacle	Type NO.	ID NO.	Features	Pinout
M23 rectangular screw connection, wire Female	FGWK12-11R-0.5/RS19.8 FGWK12-11R-1.0/RS19.8	10044330 10044331	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Female 1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
	FGWK12-12R-0.5/RS19.8 FGWK12-12R-1.0/RS19.8	10044340 10044341	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Female 1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	FGWK17-17R-0.5/RS19.8 FGWK17-17R-1.0/RS19.8	10044350 10044351	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWK19-11R-0.5/RS19.8 FGWK19-11R-1.0/RS19.8	10044360 10044361	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
	FGWK19-15R-0.5/RS19.8 FGWK19-15R-1.0/RS19.8	10044370 10044371	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWK19-19R-0.5/RS19.8 FGWK19-19R-1.0/RS19.8	10044380 10044381	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Female 1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN







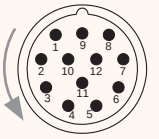
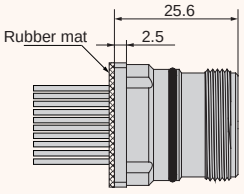
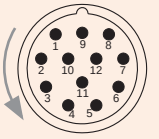
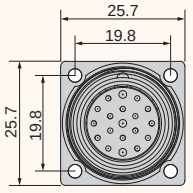
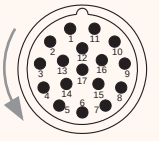
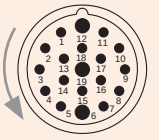
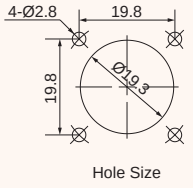
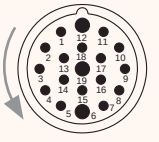
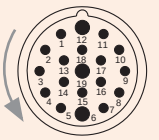
Hole Size

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M23 receptacle(Reverse)





Receptacle	Type NO.	ID NO.	Features	Pinout
M23 rectangular screw connection, wire Male	FGWZ12-11R-0.5/RS19.8 FGWZ12-11R-1.0/RS19.8	10044390 10044391	Wire guage : 11x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. WH 2. GN 3. YE 4. GY 5. PK 6. RD 7. BK 8. VT 9. BU 10. BU 11. BN 12. GN/YE
	FGWZ12-12R-0.5/RS19.8 FGWZ12-12R-1.0/RS19.8	10044400 10044401	Wire guage : 12x0.75mm² Material : PVC Current : 6A Power : 300V	Male  1. BN 2. BU 3. WH 4. GN/YE 5. OG 6. YE 7. GY 8. PK 9. RD 10. BN/WH 11. BU/WH 12. GN/WH
	FGWZ17-17R-0.5/RS19.8 FGWZ17-17R-1.0/RS19.8	10044410 10044411	Power wire : 3x0.75mm² Signal wire : 14X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. BU 2. RD 3. BN 4. GY 5. GN/YE 6. RD/BU 7. GN 8. GY/PK 9. WH/GN 10. WH/YE 11. WH/GY 12. BK 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK
	FGWZ19-11R-0.5/RS19.8 FGWZ19-11R-1.0/RS19.8	10044420 10044421	Power wire : 3x0.75mm² Signal wire : 8X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. N/C 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. N/C 10. N/C 11. N/C 12. GN/YE 13. N/C 14. BN/GN 15. WH 16. YE 17. N/C 18. N/C 19. BN
 Hole Size	FGWZ19-15R-0.5/RS19.8 FGWZ19-15R-1.0/RS19.8	10044430 10044431	Power wire : 3x0.75mm² Signal wire : 12X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. N/C 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. N/C 11. N/C 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. N/C 19. BN
	FGWZ19-19R-0.5/RS19.8 FGWZ19-19R-1.0/RS19.8	10044440 10044441	Power wire : 3x0.75mm² Signal wire : 16X0.34mm² Material : PVC Power : 9A Signal : 2A Voltage : 150V	Male  1. VT 2. RD 3. GY 4. RD/BU 5. GN 6. BU 7. GY/PK 8. WH/GN 9. WH/YE 10. WH/GY 11. BK 12. GN/YE 13. YE/BN 14. BN/GN 15. WH 16. YE 17. PK 18. GY/BN 19. BN

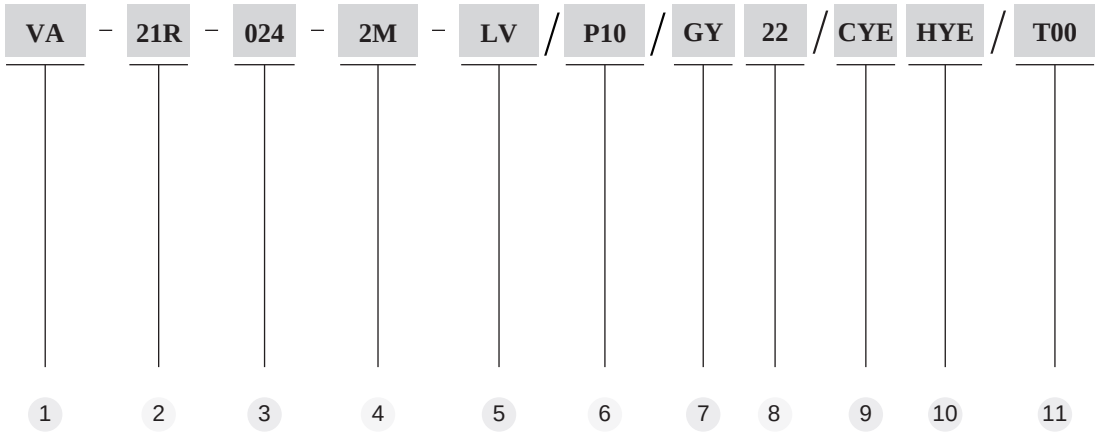
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Valve Connectors

Valve Connectors part number key



1 Valve Connectors Types（According to the EN175301-803 standard）
VA A type
VB B type
VBI B type
VC C type

2 Contact spacing and Types
21 2 Conductors + Ground
31 3 Conductors + Ground
21R 2 Conductors + Ground （180 ° reverse）
31R 3 Conductors + Ground （180 ° reverse）

3 Rated voltage
024 24DC
048 48DC
110 110DC
220 220AC

4 Connection Type / Length in Meters
2M Cable length 2M
M12/2M M12 connection valve Cable length 2M
M12L/2M M12 right angle connection valve Cable length 2M

5 LED indicator
LV LED show and suppression
L LED show and no suppression
Blank No LED show and no suppression

6 Cable Jacket
Blank PVC
P10 PUR

7 Color of cable
Blank Standard color
GY Gary（customization）

8 Wire gauge
Blank Standard wire gauge18AWG(0.75mm^2)
20 20AWG:0.5mm^2（customization）

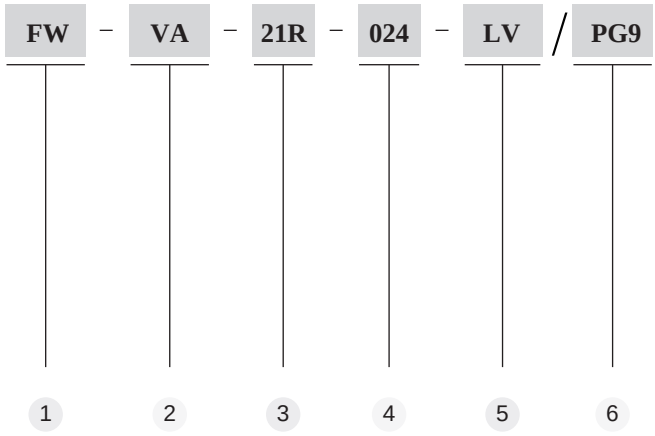
9 Color of contact carrier
Blank Standard black
CYE Yellow（customization）

10 Color of plug body
Blank Standard black
HYE Plug body yellow（customization）

11 Varieties

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Valve field wireable connector part number key



1 Valve field wireable connector

2 Valve Connectors Types（According to the EN175301-803 standard）
VA A type
VB B type
VBI B type
VC C type

3 Contact spacing and Types
21 2 Conductors + Ground
31 3 Conductors + Ground
21R 2 Conductors + Ground （180 ° reverse）
31R 3 Conductors + Ground （180 ° reverse）

4 Rated voltage
024 24DC
048 48DC
110 110DC
220 220AC

5 LED indicator
LV LED show and suppression
L LED show and no suppression
Blank No LED show and no suppression

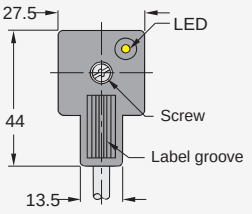
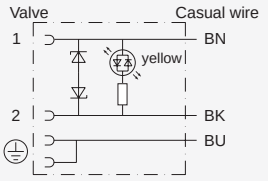
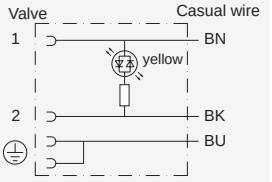
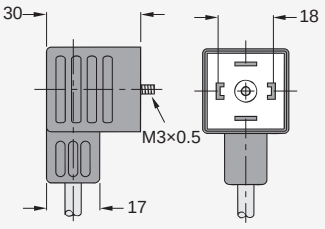
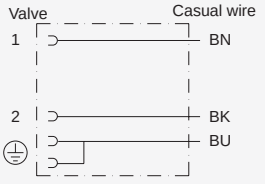
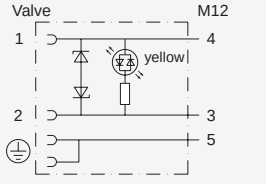
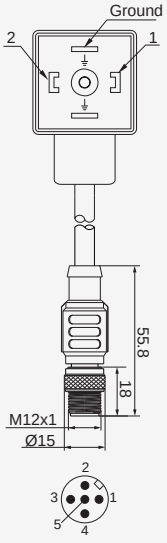
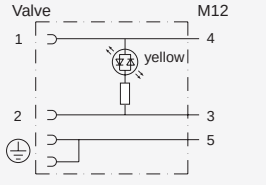
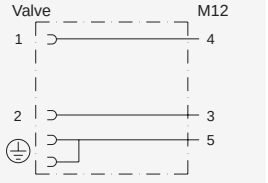
6 Thread Type（connection thread)
PG9 Accepts 6-8 mm cable diameter
PG11 Accepts 8-11 mm cable diameter

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A Type Valve Connectors

- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃



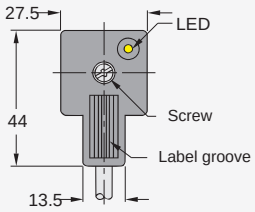
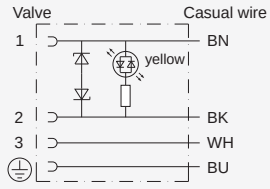
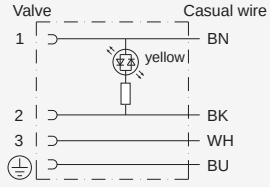
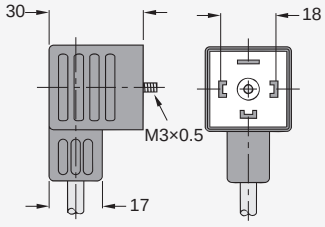
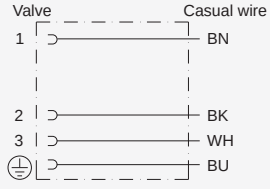
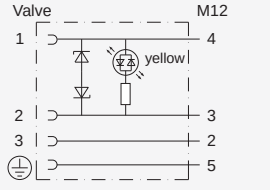
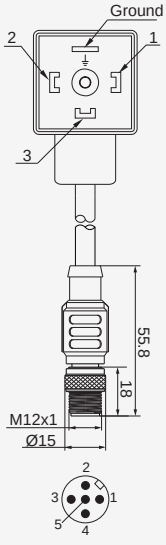
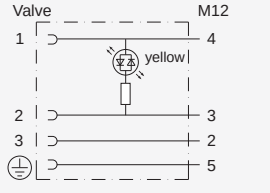
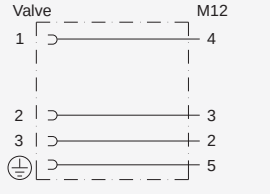
Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VA21-024-2M-LV VA21-110-2M-LV	10061000 10061001	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VA21-024-2M-L VA21-110-2M-L VA21-220-2M-L	10061020 10061021 10061022	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VA21-024-2M VA21-110-2M VA21-220-2M	10061060 10061061 10061062	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VA21-024-M12/2M-LV VA21-110-M12/2M-LV	10061010 10061011	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VA21-024-M12/2M-L VA21-110-M12/2M-L VA21-220-M12/2M-L	10061030 10061031 10061032	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VA21-024-M12/2M VA21-110-M12/2M VA21-220-M12/2M	10061070 10061071 10061072	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

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- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  3 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VA31-024-2M-LV VA31-110-2M-LV	10061800 10061810	PVC/Black 4x18AWG Ø7.0mm Cable Type NO.： CS041800-*M	
	VA31-024-2M-L VA31-110-2M-L VA31-220-2M-L	10061091 10061830 10061840	PVC/Black 4x18AWG Ø7.0mm Cable Type NO.： CS041800-*M	
	VA31-024-2M VA31-110-2M VA31-220-2M	10061850 10061860 10061870	PVC/Black 4x18AWG Ø7.0mm Cable Type NO.： CS041800-*M	
	VA31-024-M12/2M-LV VA31-110-M12/2M-LV	10061880 10061890	PVC/Black 4x18AWG Ø7.0mm Cable Type NO.： CS041800-*M	
	VA31-024-M12/2M-L VA31-110-M12/2M-L VA31-220-M12/2M-L	10061910 10061920 10061930	PVC/Black 4x18AWG Ø7.0mm Cable Type NO.： CS041800-*M	
	VA31-024-M12/2M VA31-110-M12/2M VA31-220-M12/2M	10061940 10061950 10061960	PVC/Black 4x18AWG Ø7.0mm Cable Type NO.： CS041800-*M	

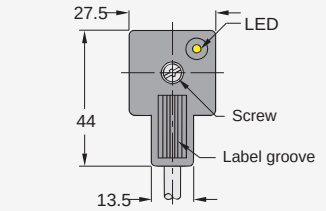
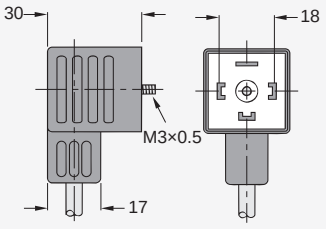
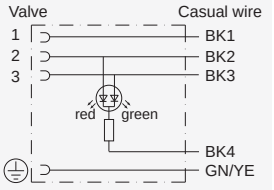
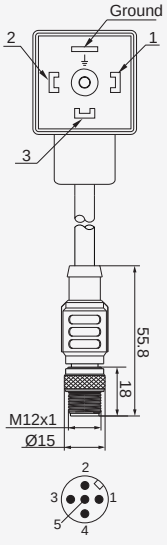
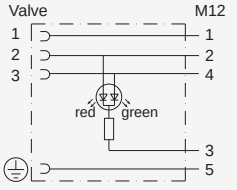
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A Type Valve Connectors

- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  4 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃



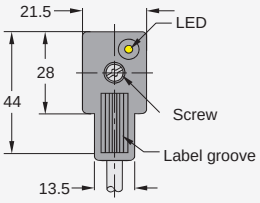
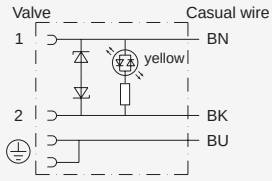
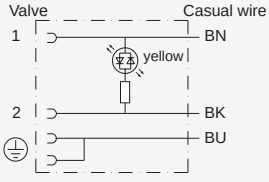
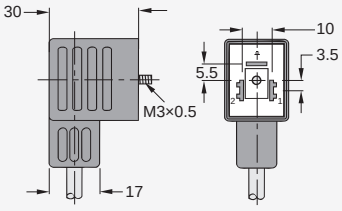
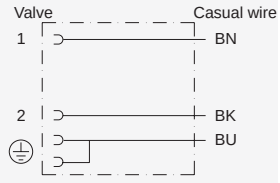
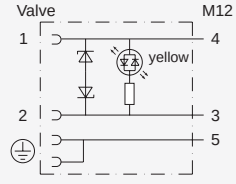
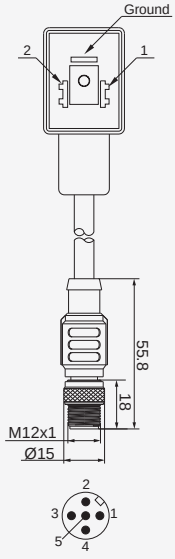
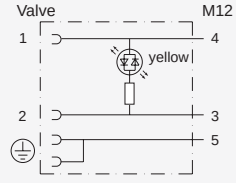
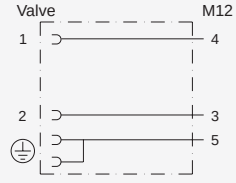
Pinout	Type NO.	ID NO.	Cable	Circuit diagram
 	VA32-024-2M-L VA32-110-2M-L VA32-220-2M-L	10061970 10061980 10061990	PVC/Black 5x18AWG Ø7.0mm Cable Type NO.： CS051808-*M	
	VA32-024-M12/2M-L VA32-110-M12/2M-L VA32-220-M12/2M-L	10062110 10062120 10062130	PVC/Black 5x18AWG Ø7.0mm Cable Type NO.： CS051808-*M	

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- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VB21-024-2M-LV VB21-110-2M-LV	10062000 10062001	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VB21-024-2M-L VB21-110-2M-L VB21-220-2M-L	10062020 10062021 10062022	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VB21-024-2M VB21-110-2M VB21-220-2M	10062050 10062051 10062052	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VB21-024-M12/2M-LV VB21-110-M12/2M-LV	10062010 10062011	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VB21-024-M12/2M-L VB21-110-M12/2M-L VB21-220-M12/2M-L	10062030 10062031 10062032	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VB21-024-M12/2M VB21-110-M12/2M VB21-220-M12/2M	10062060 10062061 10062062	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	

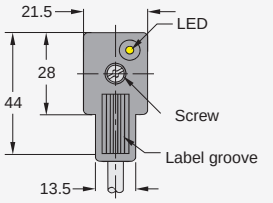
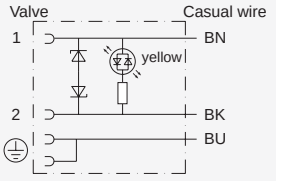
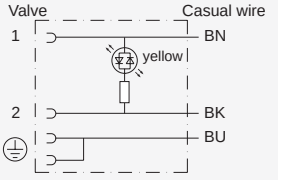
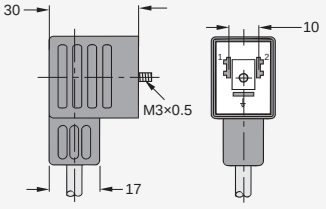
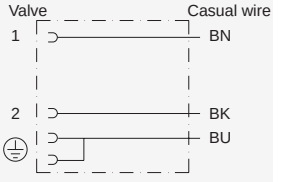
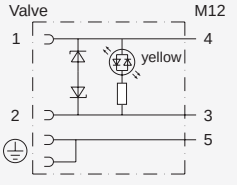
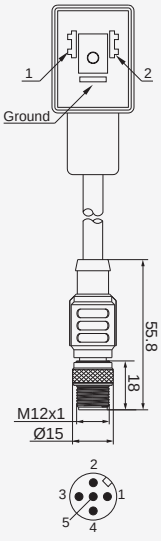
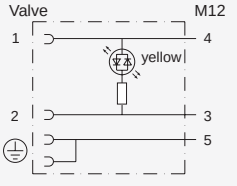
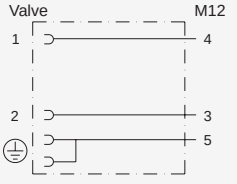
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B Type Valve Connectors

- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors +
  Ground180 ° reverse
- Pollution degree:3
- Temperature range
  :-30...+90℃



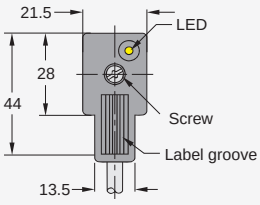
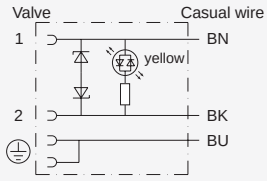
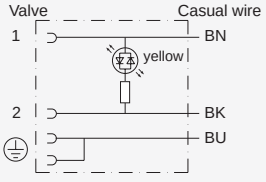
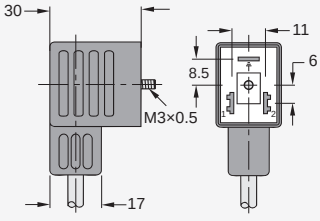
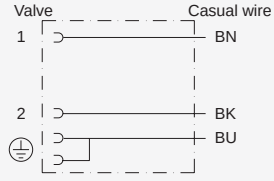
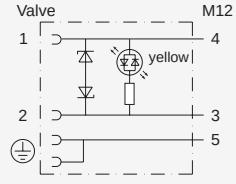
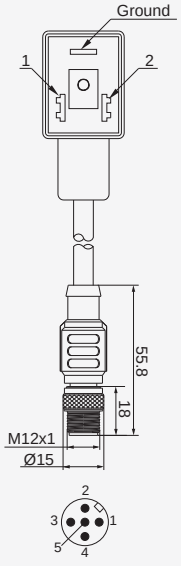
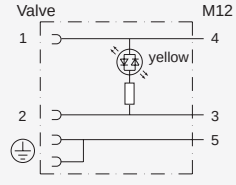
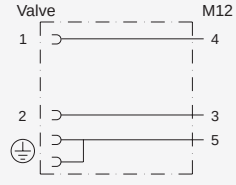
Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VB21R-024-2M-LV VB21R-110-2M-LV	10062070 10062071	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VB21R-024-2M-L VB21R-110-2M-L VB21R-220-2M-L	10062091 10062092 10062093	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VB21R-024-2M VB21R-110-2M VB21R-220-2M	10062110 10062111 10062112	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VB21R-024-M12/2M-LV VB21R-110-M12/2M-LV	10062080 10062081	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VB21R-024-M12/2M-L VB21R-110-M12/2M-L VB21R-220-M12/2M-L	10062100 10062101 10062102	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VB21R-024-M12/2M VB21R-110-M12/2M VB21R-220-M12/2M	10062120 10062121 10062122	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	

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- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VBI21-024-2M-LV VBI21-110-2M-LV	10063000 10063001	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VBI21-024-2M-L VBI21-110-2M-L VBI21-220-2M-L	10063020 10063021 10063022	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VBI21-024-2M VBI21-110-2M VBI21-220-2M	10063040 10063041 10063042	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VBI21-024-M12/2M-LV VBI21-110-M12/2M-LV	10063010 10063011	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VBI21-024-M12/2M-L VBI21-110-M12/2M-L VBI21-220-M12/2M-L	10063030 10063031 10063032	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VBI21-024-M12/2M VBI21-110-M12/2M VBI21-220-M12/2M	10063050 10063051 10063052	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	

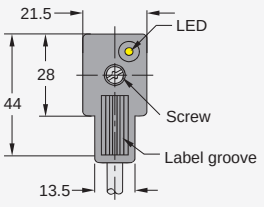
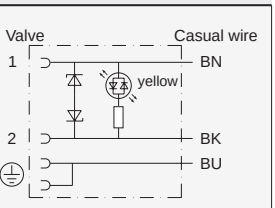
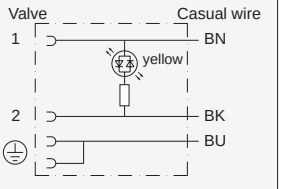
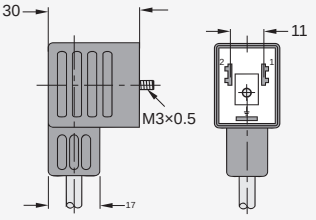
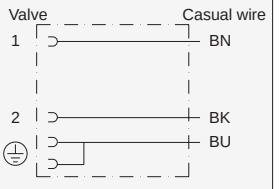
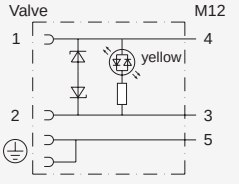
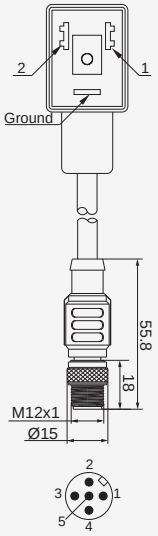
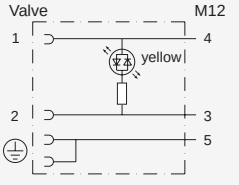
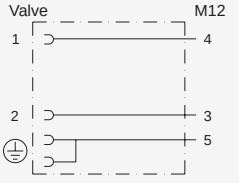
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BI Type Valve Connectors

- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors +
  Ground180 ° reverse
- Pollution degree:3
- Temperature range
  :-30...+90℃



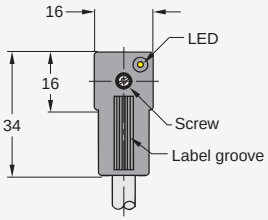
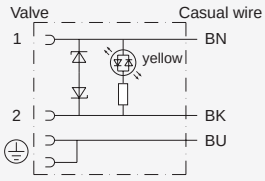
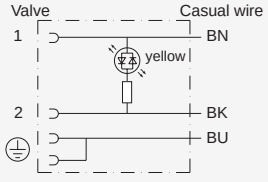
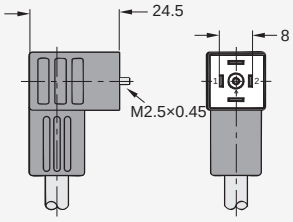
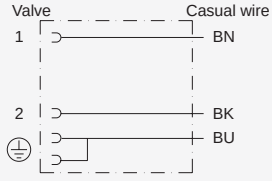
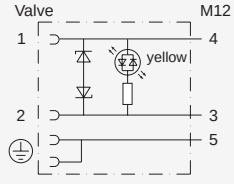
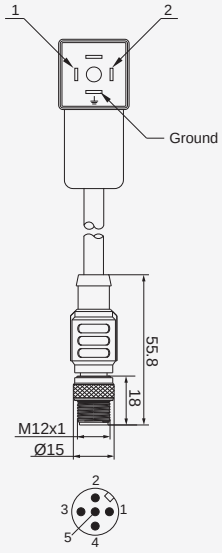
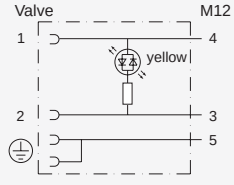
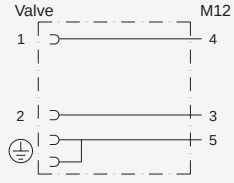
Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VBI21R-024-2M-LV VBI21R-110-2M-LV	10063060 10063061	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VBI21R-024-2M-L VBI21R-110-2M-L VBI21R-220-2M-L	10063080 10063081 10063082	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VBI21R-024-2M VBI21R-110-2M VBI21R-220-2M	10063100 10063101 10063102	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VBI21R-024-M12/2M-LV VBI21R-110-M12/2M-LV	10063070 10063071	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VBI21R-024-M12/2M-L VBI21R-110-M12/2M-L VBI21R-220-M12/2M-L	10063090 10063091 10063092	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	
	VBI21R-024-M12/2M VBI21R-110-M12/2M VBI21R-220-M12/2M	10063110 10063111 10063112	PVC/Black 3x18AWG Ø6.0mm Cable Type NO. : CS031801-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

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www.bce.it - E-mail: bce@bce.it

- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VC21-024-2M-LV VC21-110-2M-LV	10064000 10064001	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VC21-024-2M-L VC21-110-2M-L VC21-220-2M-L	10064020 10064021 10064022	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VC21-024-2M VC21-110-2M VC21-220-2M	10064040 10064041 10064042	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VC21-024-M12/2M-LV VC21-110-M12/2M-LV	10064010 10064011	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VC21-024-M12/2M-L VC21-110-M12/2M-L VC21-220-M12/2M-L	10064030 10064031 10064032	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VC21-024-M12/2M VC21-110-M12/2M VC21-220-M12/2M	10064050 10064051 10064052	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

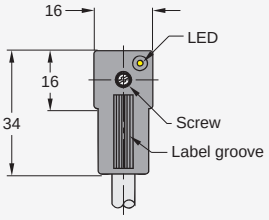
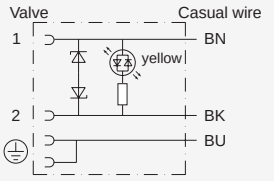
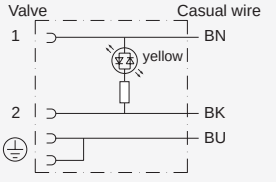
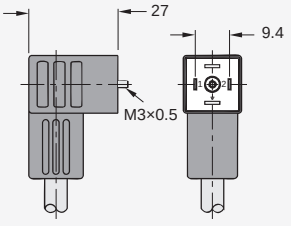
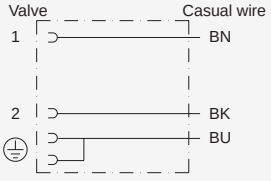
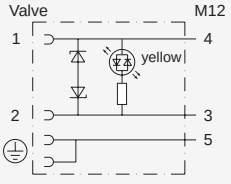
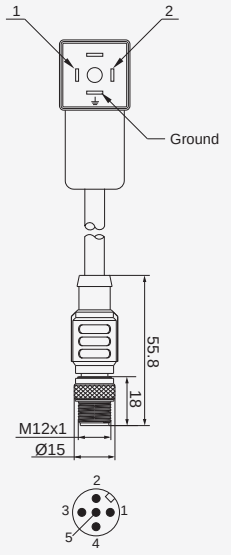
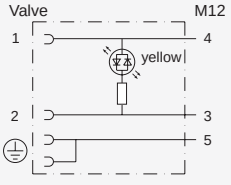
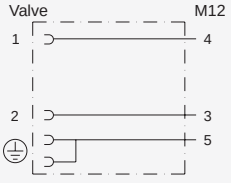
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CI Type Valve Connectors

- Cable Jacket：PVC、PUR
  Special material customization
- Housing material：PUR
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Number of pin：
  2 Conductors + Ground
- Pollution degree:3
- Temperature range
  :-30...+90℃





Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	VCI21-024-2M-LV VCI21-110-2M-LV	10065000 10065001	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VCI21-024-2M-L VCI21-110-2M-L VCI21-220-2M-L	10065020 10065021 10065022	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VCI21-024-2M VCI21-110-2M VCI21-220-2M	10065040 10065041 10065042	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VCI21-024-M12/2M-LV VCI21-110-M12/2M-LV	10065010 10065011	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VCI21-024-M12/2M-L VCI21-110-M12/2M-L VCI21-220-M12/2M-L	10065030 10065031 10065032	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	
	VCI21-024-M12/2M VCI21-110-M12/2M VCI21-220-M12/2M	10065050 10065051 10065052	PVC/Black 3x18AWG Ø6.0mm Cable Type NO.： CS031801-*M	

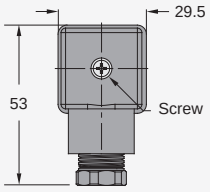
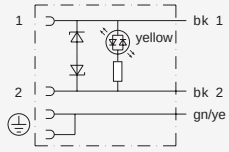
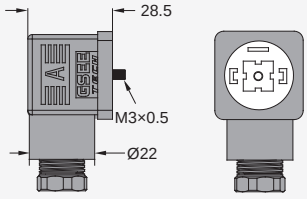
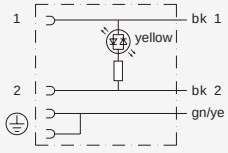
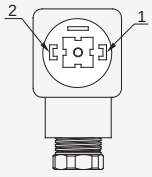
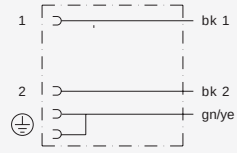
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

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www.bce.it - E-mail: bce@bce.it

A type field wirable Valve connector

- Cable Jacket：PBT,transparent /PA6+GF
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Accepts cable diameter：PG9(6-8)mm , PG11(8-11)mm
- Number of pin： 2 Conductors + Ground
- Pollution degree:3
- Temperature range :-30...+90℃



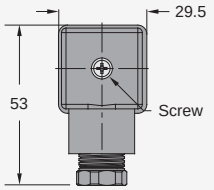
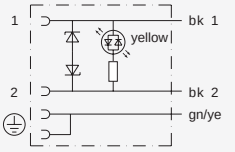
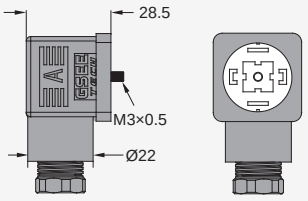
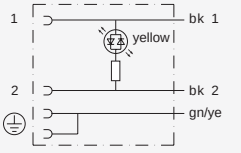
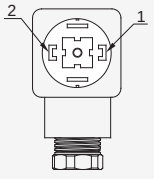
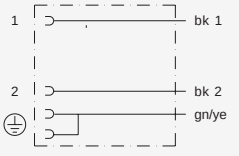
Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	FW-VA21-024-LV/PG9 FW-VA21-110-LV/PG9 FW-VA21-220-LV/PG9	10066000 10066001 10066002	LED show Suppression 2 Conductors + Ground PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA21-024-LV/PG11 FW-VA21-110-LV/PG11 FW-VA21-220-LV/PG11	10066010 10066011 10066012	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA21-024-L/PG9 FW-VA21-110-L/PG9 FW-VA21-220-L/PG9	10066020 10066021 10066022	LED show No suppression 2 Conductors + Ground PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA21-024-L/PG11 FW-VA21-110-L/PG11 FW-VA21-220-L/PG11	10066030 10066031 10066032	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA21/PG9	10066040	No LED show No suppression 2 Conductors + Ground PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA21/PG11	10066050	PG11 cable gland Accepts 8-11 mm cable diameter	

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A type field wirable Valve connector

- Cable Jacket：PBT,transparent /PA6+GF
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Accepts cable diameter：PG9(6-8)mm，PG11(8-11)mm
- Number of pin：2 Conductors + 2 Grounds
- Pollution degree:3
- Temperature range :-30...+90℃



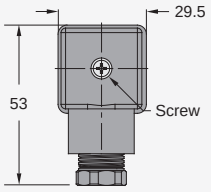
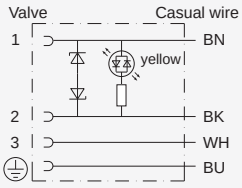
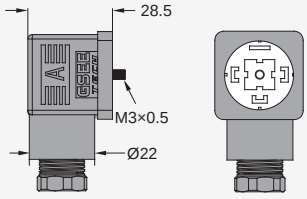
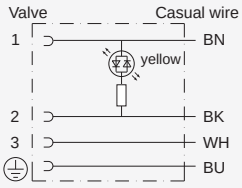
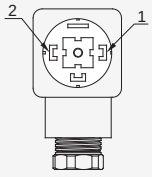
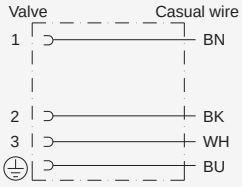
Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	FW-VA22-024-LV/PG9 FW-VA22-110-LV/PG9 FW-VA22-220-LV/PG9	10067000 10067001 10067002	LED show Suppression 2 Conductors + 2 Grounds PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA22-024-LV/PG11 FW-VA22-110-LV/PG11 FW-VA22-220-LV/PG11	10067010 10067011 10067012	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA22-024-L/PG9 FW-VA22-110-L/PG9 FW-VA22220-L/PG9	10067020 10067021 10067022	LED show No suppression 2 Conductors + 2 Grounds PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA22-024-L/PG11 FW-VA22-110-L/PG11 FW-VA22-220-L/PG11	10067030 10067031 10067032	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA22/PG9	10067040	No LED show No suppression 2 Conductors + 2 Grounds PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA22/PG11	10067050	PG11 cable gland Accepts 8-11 mm cable diameter	

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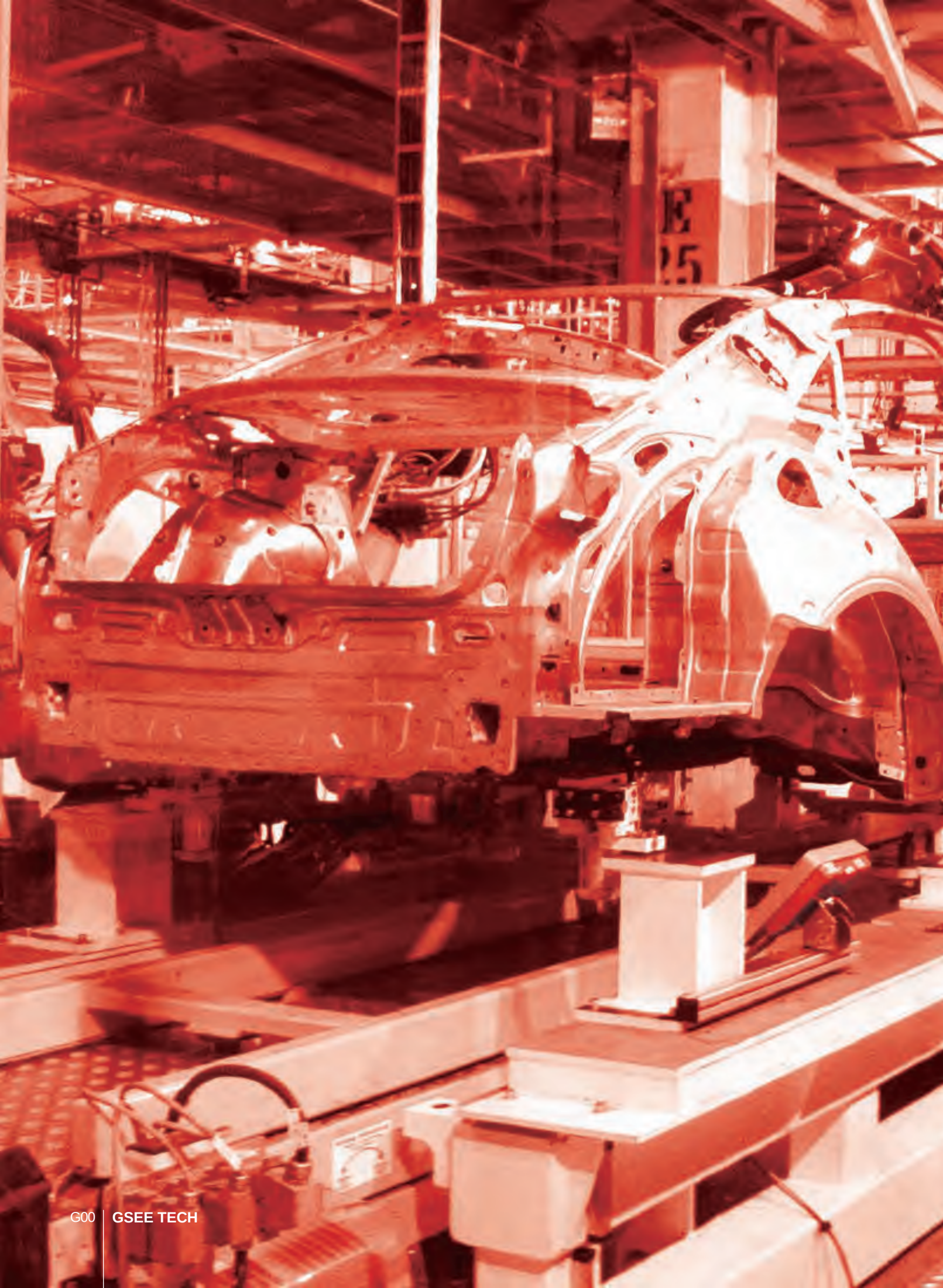
A type field wirable Valve connector

- Cable Jacket：PBT,transparent /PA6+GF
- Pin：Silver plated copper alloy
- Material of contact carrier：Nylon
- IP degree：IP67
- Rated current：4A
- Rated voltage：max.230V
- Accepts cable diameter：PG9(6-8)mm , PG11(8-11)mm
- Number of pin： 3 Conductors + Ground
- Pollution degree:3
- Temperature range :-30...+90℃



Pinout	Type NO.	ID NO.	Cable	Circuit diagram
	FW-VA31-024-LV/PG9 FW-VA31-110-LV/PG9 FW-VA31-220-LV/PG9	10068000 10068001 10068002	LED show Suppression 3 Conductors + Ground PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA31-024-LV/PG11 FW-VA31-110-LV/PG11 FW-VA31-220-LV/PG11	10068010 10068011 10068012	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA31-024-L/PG9 FW-VA31-110-L/PG9 FW-VA31-220-L/PG9	10068020 10068021 10068022	LED show No suppression 3 Conductors + Ground PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA31-024-L/PG11 FW-VA31-110-L/PG11 FW-VA31-220-L/PG11	10068030 10068031 10068032	PG11 cable gland Accepts 8-11 mm cable diameter	
	FW-VA31/PG9	10068040	No LED show No suppression 3 Conductors + Ground PG9 cable gland Accepts 6-8 mm cable diameter	
	FW-VA31/PG11	10068050	PG11 cable gland Accepts 8-11 mm cable diameter	

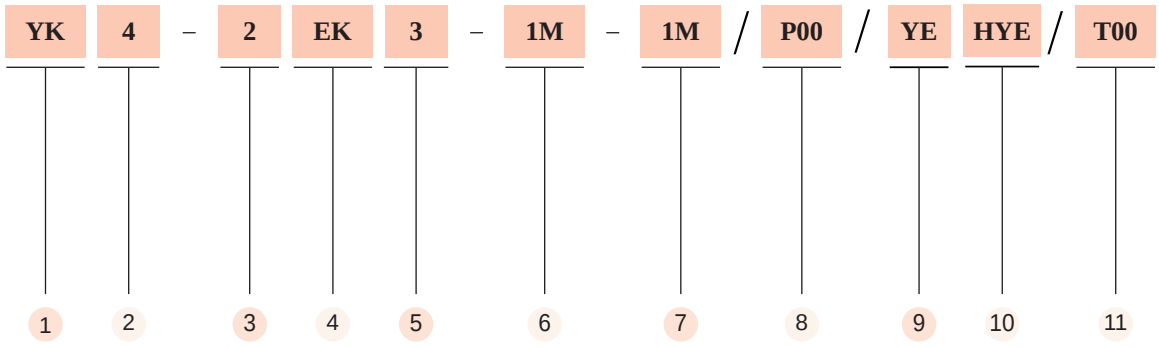
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Splitter & Junction box

Splitter



1 YZ Compact type Male M12x1
YK Compact type Female M12x1
YSZ Compact type Male M8x1
YSK Compact type Female M8x1
YWZ Wide type Male M12x1
YWK Wide type Female M12x1
YVZ Narrow type Male M12x1
YVK Narrow type Female M12x1

2 Number of pins
Contact distribution

3 Branch connection number
Blank Adapter

4 EK M12x1 Female
EZ M12x1 Male
SK M8x1 Female
SZ M8x1 Male

5 Number of pins
Contact distribution

6 Branch1 length [m]

7 Branch2 length [m]

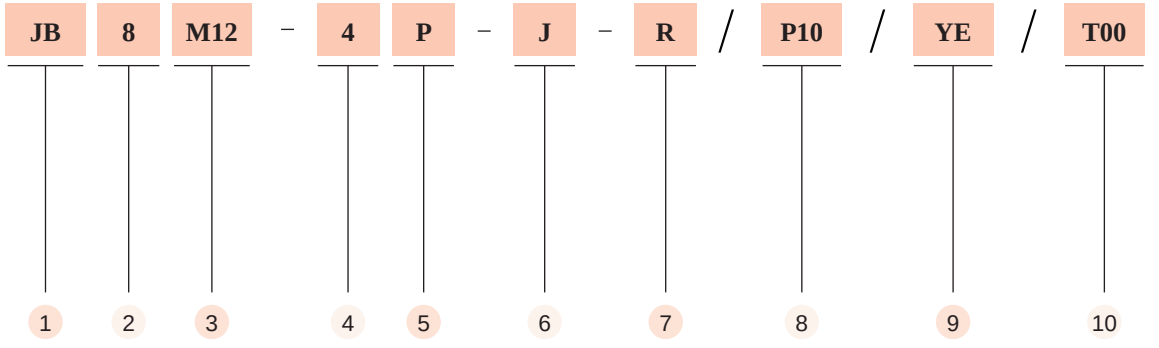
8 Cable code
As with M12 I/O type cable code

9 Color of cable
Blank Standard black
YE Yellow（Customization）
GY Gray（Customization）

10 Color of plug body
Blank Standard black
HYE Plug body yellow
（Customization）
HBU Plug body blue
（Customization）

11 Varieties

Junction box



1 JB Standard Junction box
JBW Wide type Junction box

2 Port number
4 4 ports
6 6 ports
8 8 ports

3 Port link type
M8,M12

4 Number of pins
Contact distribution

5 LED Options
Blank No LED
P PNP
N NPN

6 Connection Type
J Terminal connection
D2 Cable connection 2m
Blank
M23 Horizontal connection
T M23 vertical connection
M12 M12 vertical connection
M16 M16 vertical connection

7 Each port signal number
(R,Dual signal)

8 Straight cable outlet material
Blank P00(PVC)
P10 PUR

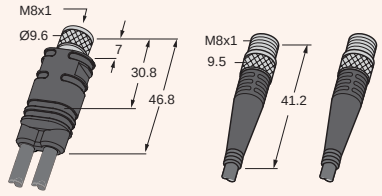
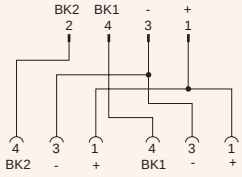
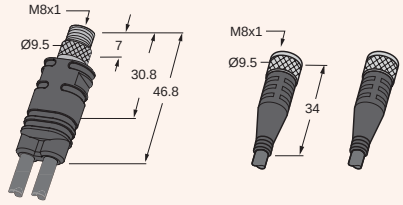
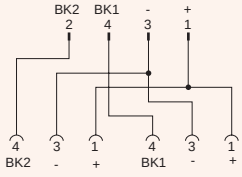
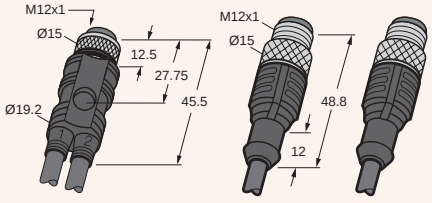
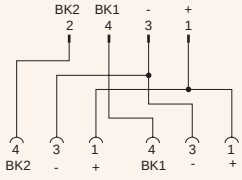
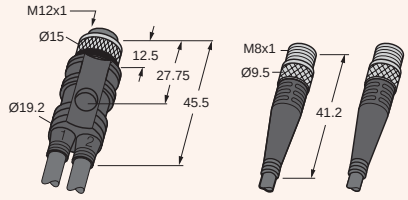
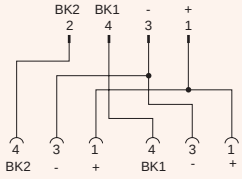
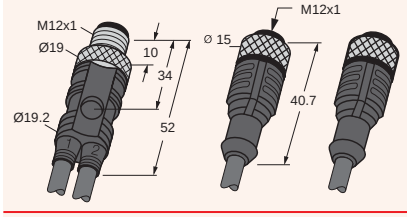
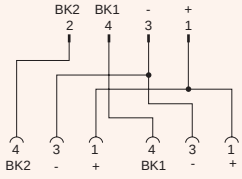
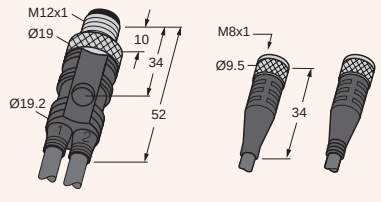
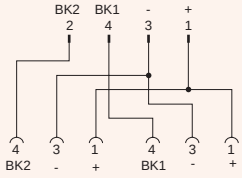
9 straight cable outlet color
Blank Black
YE Yellow
GY Gray

10 Varieties

M8/M12 2-Branch Compact Splitters

- Housing material:Oil resistant PUR material , Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Connector type	Type NO.	ID NO.	Circuit diagram
	YSK4-2SZ3-2M-2M/P00 YSK4-2SZ3-5M-2M/P00 YSK4-2SZ3-10M-2M/P00	10014600 10014601 10014602	
	YSZ4-2SK3-2M-2M/P00 YSZ4-2SK3-5M-2M/P00 YSZ4-2SK3-10M-2M/P00	10014610 10014611 10014612	
	YK4-2EZ3-2M-2M/P00 YK4-2EZ3-5M-5M/P00 YK4-2EZ3-10M-10M/P00	10014000 10014001 10014002	
	YK4-2SZ3-2M-2M/P00 YK4-2SZ3-5M-5M/P00 YK4-2SZ3-10M-10M/P00	10014010 10014011 10014012	
	YZ4-2EK3-2M-2M/P00 YZ4-2EK3-5M-5M/P00 YZ4-2EK3-10M-10M/P00	10014020 10014021 10014022	
	YZ4-2SK3-2M-2M/P00 YZ4-2SK3-5M-5M/P00 YZ4-2SK3-10M-10M/P00	10014030 10014031 10014032	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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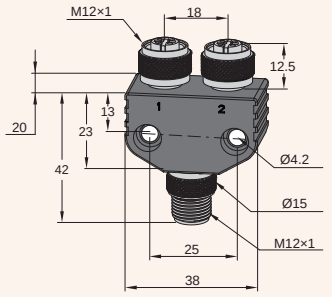
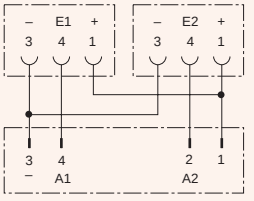
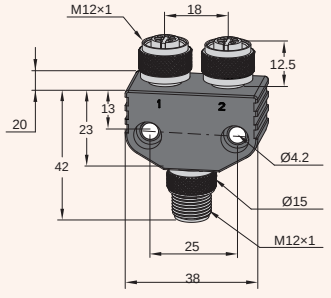
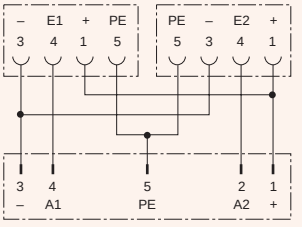
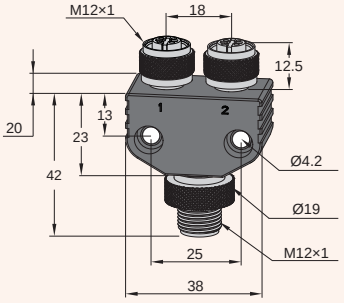
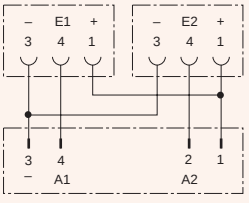
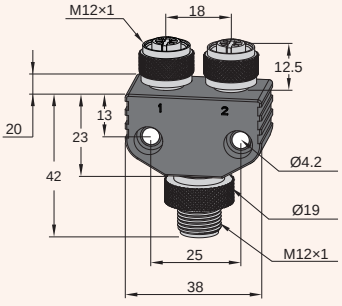
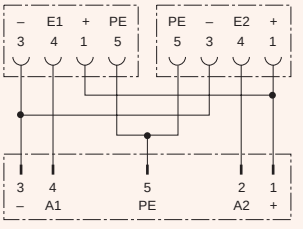
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M12 2-Branch Splitters

- Housing material:Oil resistant PUR material , Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Connector type	Type NO.	ID NO.	Circuit diagram
Ø15 coupling nut 	YWZ4-2EK3 Black YWZ4-2EK3/HBU Blue YWZ4-2EK3/HYE Yellow	10086000 10086001 10086002	
Ø15 coupling nut 	YWZ5-2EK4.5 Black YWZ5-2EK4.5/HBU Blue YWZ5-2EK4.5/HYE Yellow	10086010 10086011 10086012	
Ø19 coupling nut 	YWZ4-2EK3/10 Black YWZ4-2EK3/HBU10 Blue YWZ4-2EK3/HYE10 Yellow	10086060 10086061 10086062	
Ø19 coupling nut 	YWZ5-2EK4.5/10 Black YWZ5-2EK4.5/HBU10 Blue YWZ5-2EK4.5/HYE10 Yellow	10086020 10086021 10086022	

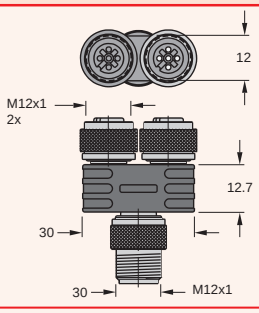
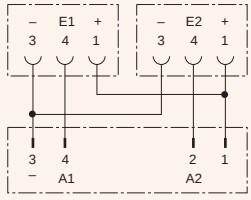
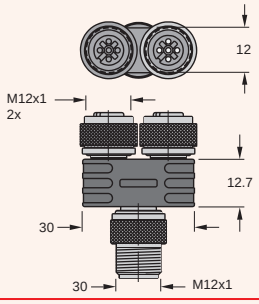
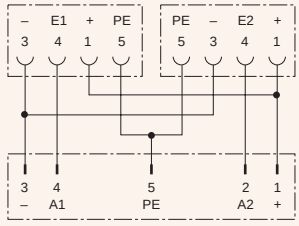
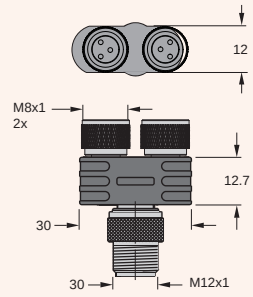
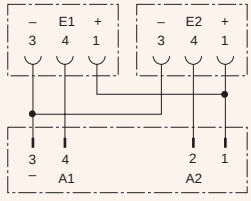
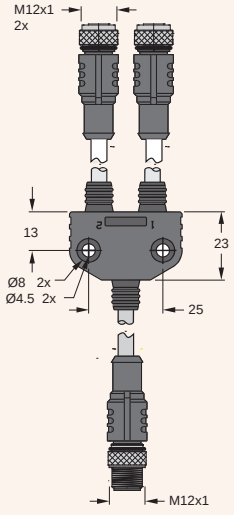
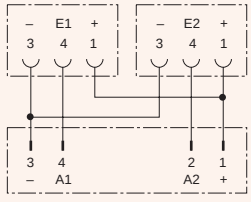
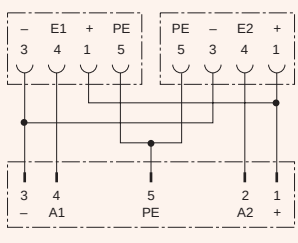
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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- Housing material:Oil resistant PUR material , Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP67
- Temperature range:-30...+90℃
- Mechanical operation:≥100



Connector type	Type NO.	ID NO.	Circuit diagram
	YVZ4-2EK3 Black YVZ4-2EK3/HBU Blue YVZ4-2EK3/HYE Yellow	10086050 10086051 10086052	
	YVZ5-2EK4.5 Black YVZ5-2EK4.5/HBU Blue YVZ5-2EK4.5/HYE Yellow	10086013 10086014 10086015	
	YVZ4-2SK3 Black YVZ4-2SK3/HBU Blue YVZ4-2SK3/HYE Yellow	10086031 10086032 10086033	
	YWZ4-2M-2EK3-2M-2M/P00 YWZ4-5M-2EK3-5M-5M/P00	10084100 10084101	
	YWZ5-2M-2EK4.5-2M-2M/P00 YWZ5-5M-2EK4.5-5M-5M/P00	10084110 10084111	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

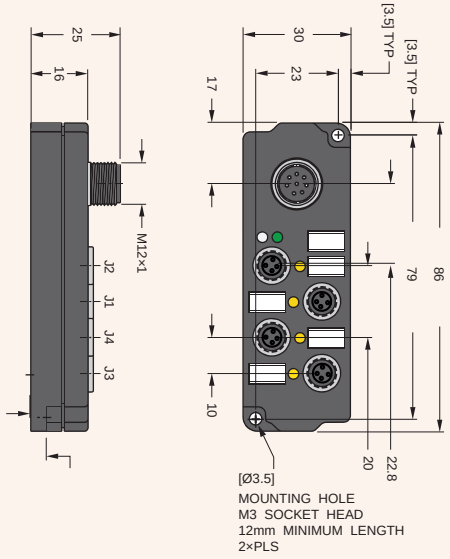
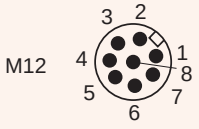
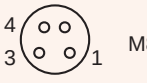
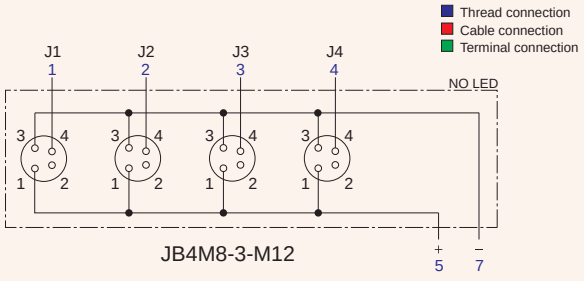
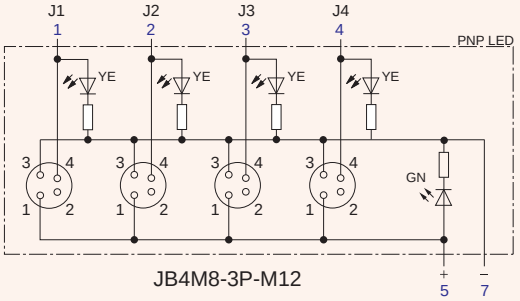
** Standard coupling nut material is nickel plated brass

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M8 4 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
    JB4M8-3-M12	1 signal per port NO LED M12 vertical connector	JB4M8-3-M12 10071130
 JB4M8-3P-M12	1 signal per port PNP LED M12 vertical connector	JB4M8-3P-M12 10071131

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

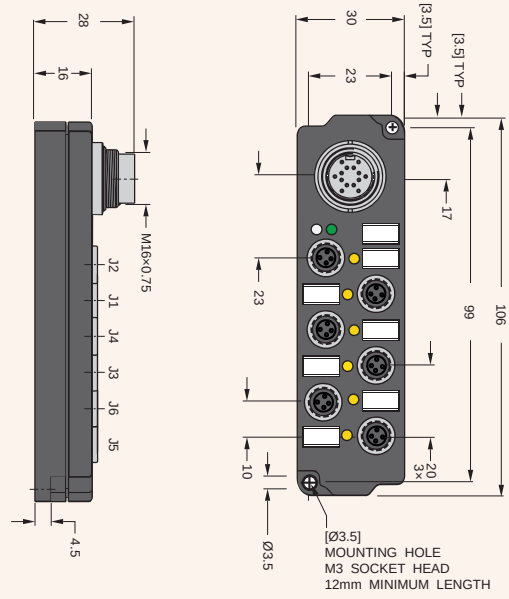
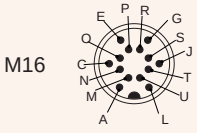
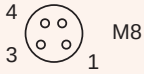
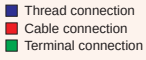
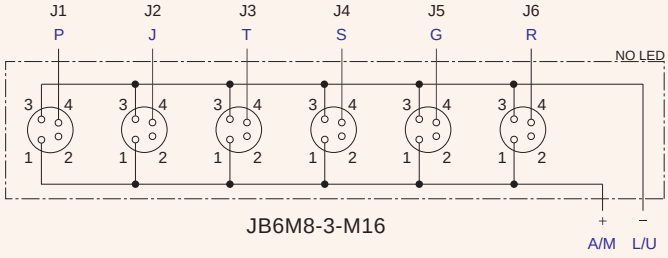
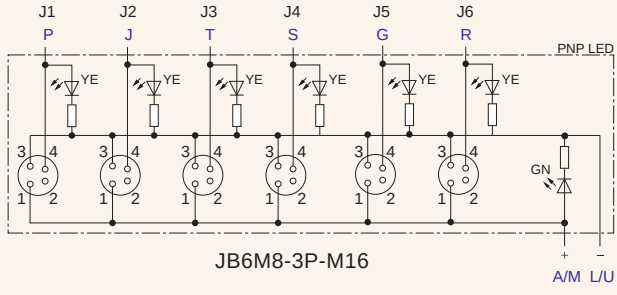
** Standard coupling nut material is nickel plated brass

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M8 6 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
     JB6M8-3-M16  JB6M8-3P-M16	1 signal per port NO LED M16 vertical connector	JB6M8-3-M16 10072150
	1 signal per port PNP LED M16 vertical connector	JB6M8-3P-M16 10072151

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

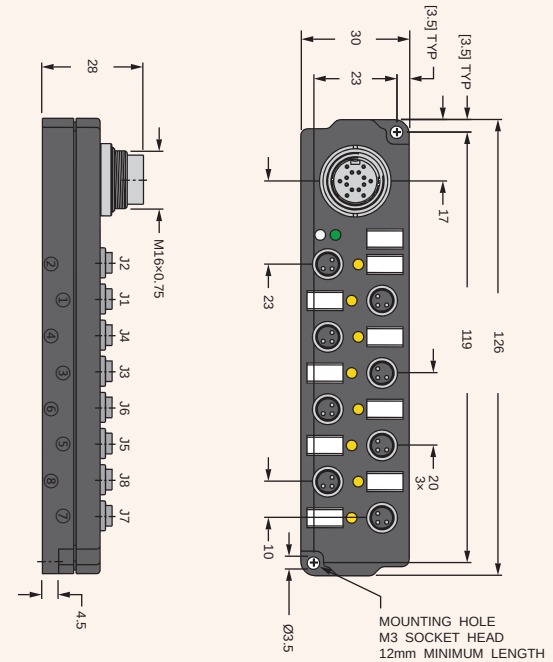
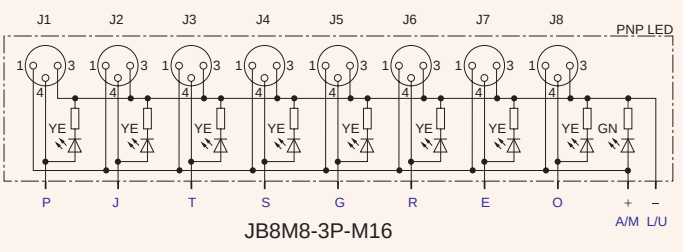
** Standard coupling nut material is nickel plated brass

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M8 8 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 JB8M8-3-M16	1 signal per port NO LED M16 vertical connector	JB8M8-3-M16 10073150
 JB8M8-3P-M16	1 signal per port PNP LED M16 vertical connector	JB8M8-3P-M16 10073151

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

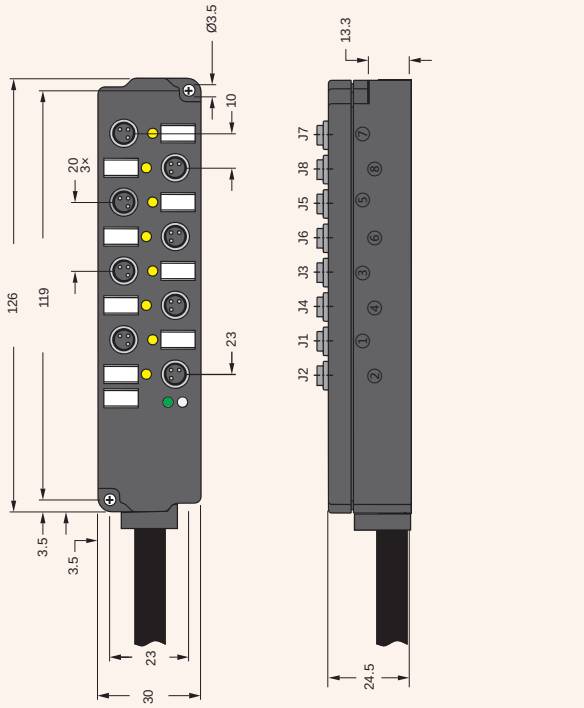
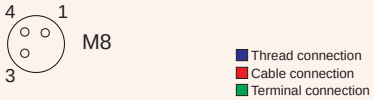
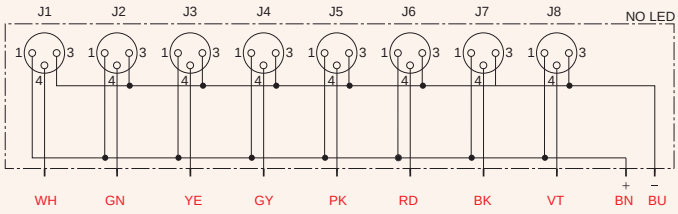
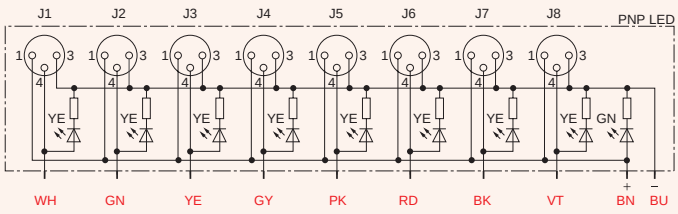
** Standard coupling nut material is nickel plated brass

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M8 4 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	1 signal per port NO LED 2m Black 10 Wires 2x20AWG+8x24AWG PVC Ø8.0mm Cable Type NO. : CS102001-*M	JB8M8-3-D2 10073160
		
 JB8M8-3-D2	1 signal per port PNP LED 2m Black 10 Wires 2x20AWG+8x24AWG PVC Ø8.0mm Cable Type NO. : CS102001-*M	JB8M8-3P-D2 10073161
 JB8M8-3P-D2		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

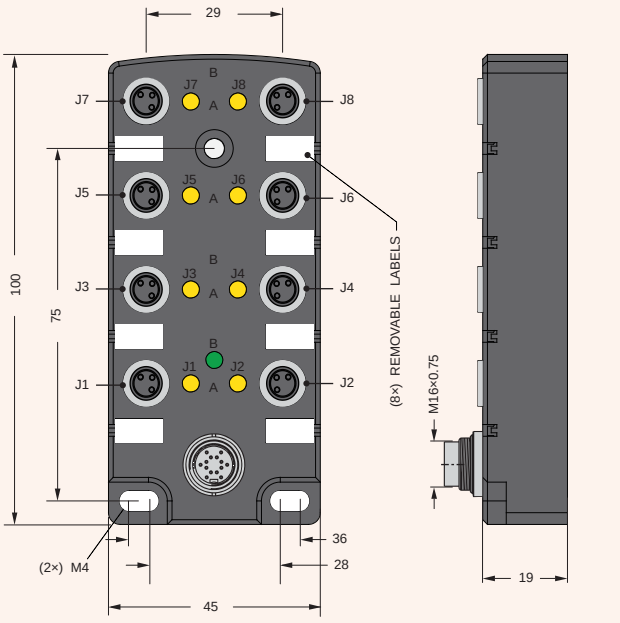
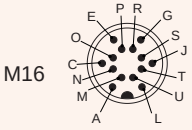
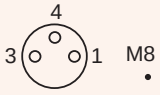
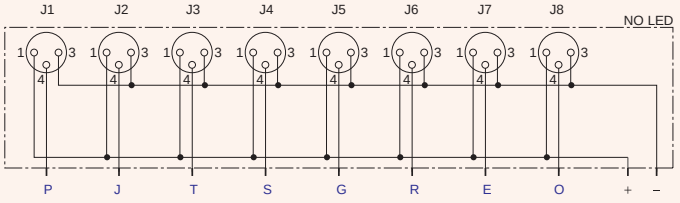
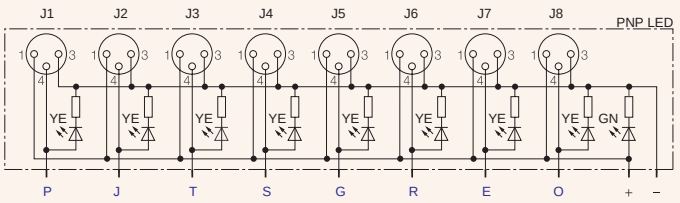
** Standard coupling nut material is nickel plated brass

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M8 8 ports Wide type Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
   Thread connection Cable connection Terminal connection  JBW8M8-3-M16  JBW8M8-3P-M16	1 signal per port NO LED M16 vertical connector 1 signal per port PNP LED M16 vertical connector	JBW8M8-3-M16 10073170 JBW8M8-3P-M16 10073171

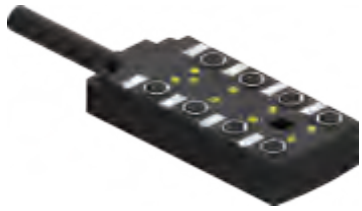
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

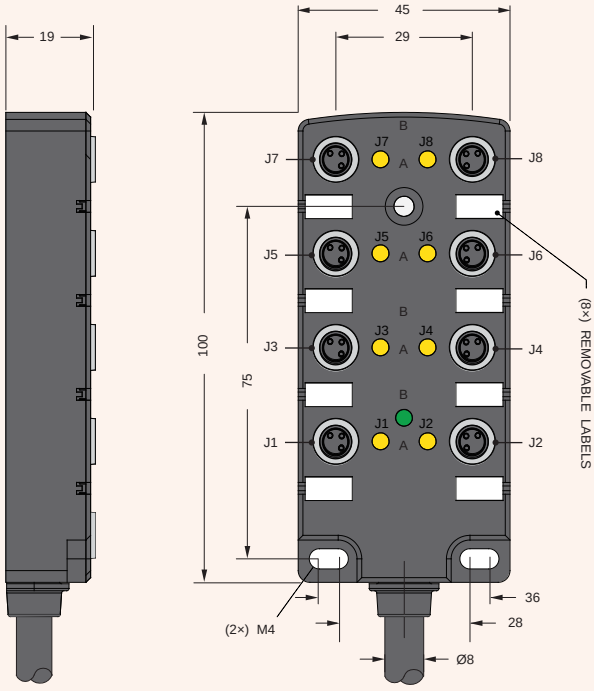
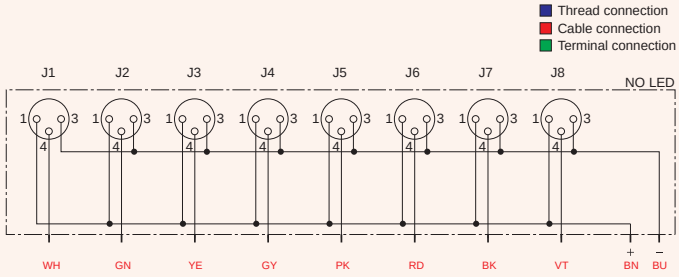
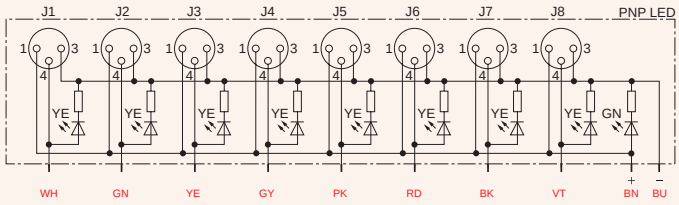
** Standard coupling nut material is nickel plated brass

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M8 8 ports Wide type Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	1 signal per port NO LED 2m Black 10 Wires 2x20AWG+8x24AWG PVC Ø8.0mm Cable Type NO. : CS102001-*M	JBW8M8-3-D2 10073180
 JBW8M8-3-D2	1 signal per port PNP LED 2m Black 10 Wires 2x20AWG+8x24AWG PVC Ø8.0mm Cable Type NO. : CS102001-*M	JBW8M8-3P-D2 10073181
 JBW8M8-3P-D2		

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

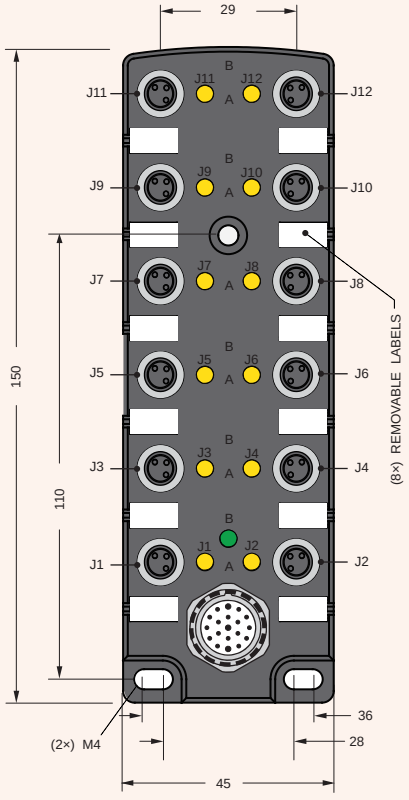
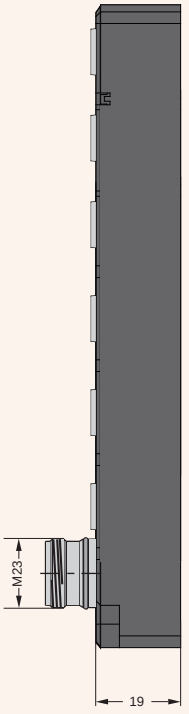
** Standard coupling nut material is nickel plated brass

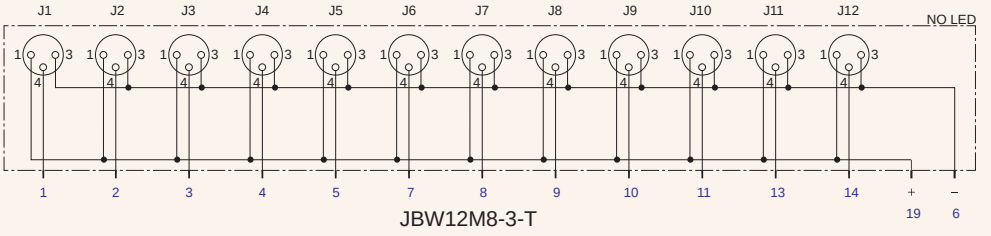
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M8 12 ports Wide type Junction box

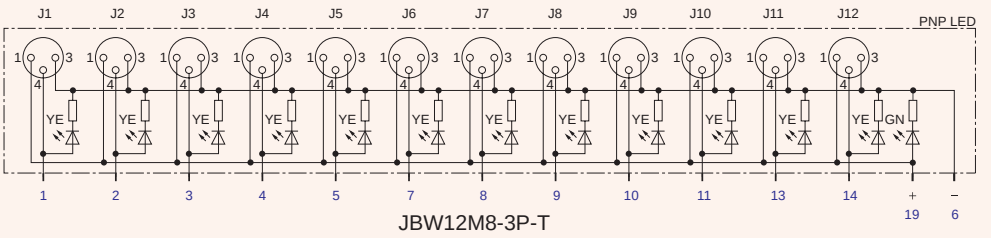
- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



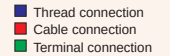
Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 	1 signal per port NO LED M23 vertical connector	JBW12M8-3-T 10073190
	1 signal per port PNP LED M23 vertical connector	JBW12M8-3P-T 10073191



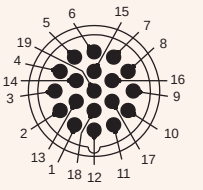
JBW12M8-3-T



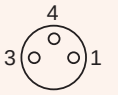
JBW12M8-3P-T



M23
19-Pin



M8



* Standard cable lengths are 2/5/10M, Consult factory for other lengths

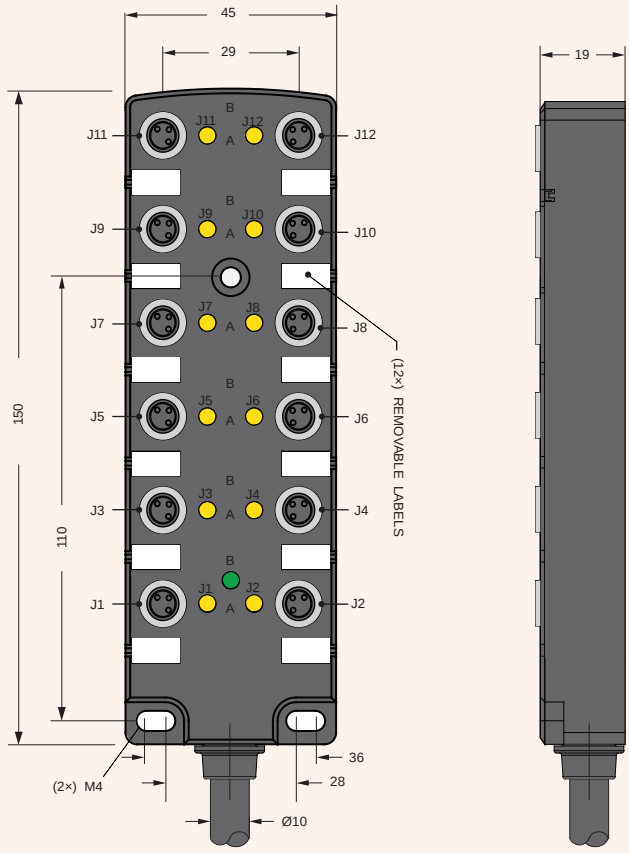
** Standard coupling nut material is nickel plated brass

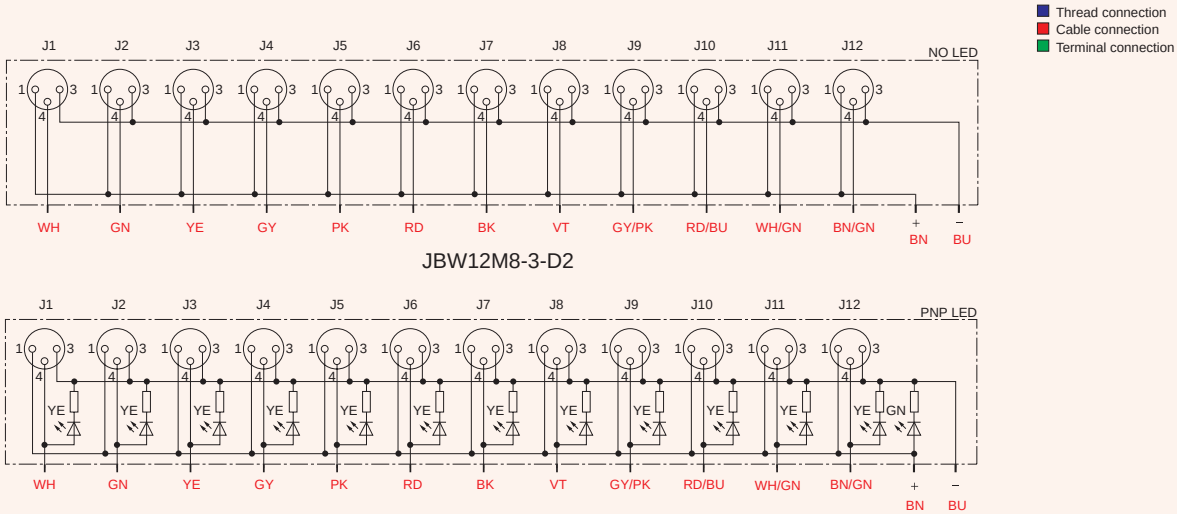
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M8 12 ports Wide type Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	1 signal per port NO LED 2m Black 14 Wires 2x20AWG+12x24AWG PVC Ø8.0mm Cable Type NO. : CS142000-*M	JBW12M8-3-D2 10773200
	1 signal per port PNP LED 2m Black 14 Wires 2x20AWG+12x24AWG PVC Ø8.0mm Cable Type NO. : CS142000-*M	JBW12M8-3P-D2 10773201



JBW12M8-3-D2

JBW12M8-3P-D2

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

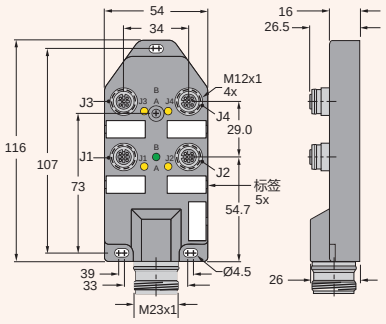
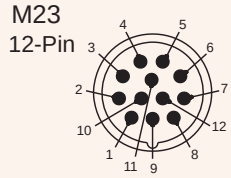
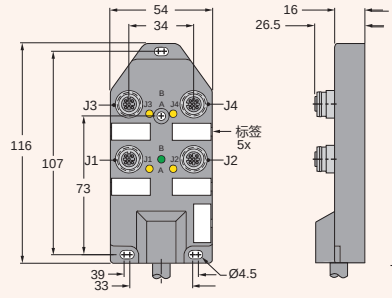
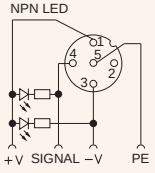
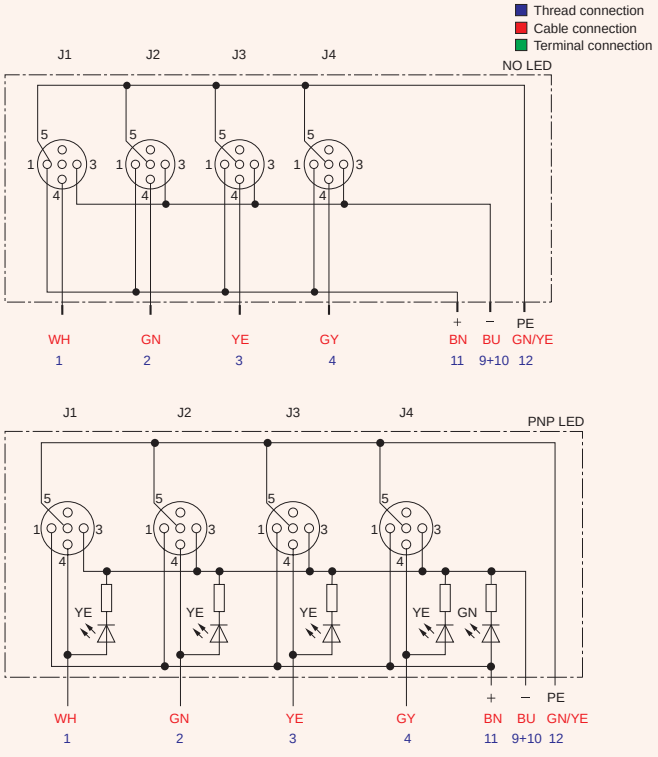
** Standard coupling nut material is nickel plated brass

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M12 4 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 	1 signal per port NO LED M23 Horizontal connector	JB4M12-4 10071000
 	1 signal per port PNP LED M23 Horizontal connector	JB4M12-4P 10071001
	1 signal per port PNP LED M23 Horizontal connector	JB4M12-4N 10071002
	1 signal per port NO LED 2m Black 7 Wires 7x18AWG PVC Ø7.9mm Cable Type NO. : CS071800-*M	JB4M12-4-D2 10071010
	1 signal per port PNP LED 2m Black 7 Wires 7x18AWG PVC Ø7.9mm Cable Type NO. : CS071800-*M	JB4M12-4P-D2 10071011
	1 signal per port NPN LED 2m Black 7 Wires 7x18AWG PVC Ø7.9mm Cable Type NO. : CS071800-*M	JB4M12-4N-D2 10071042

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

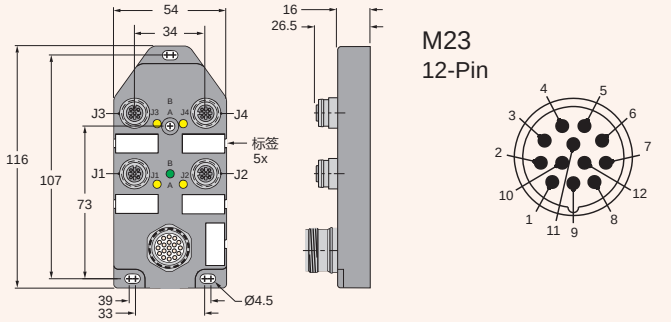
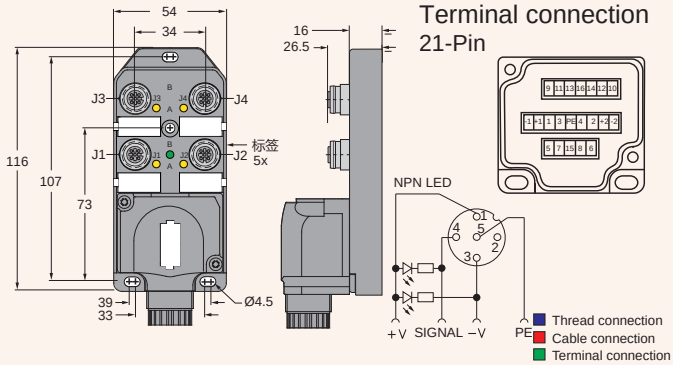
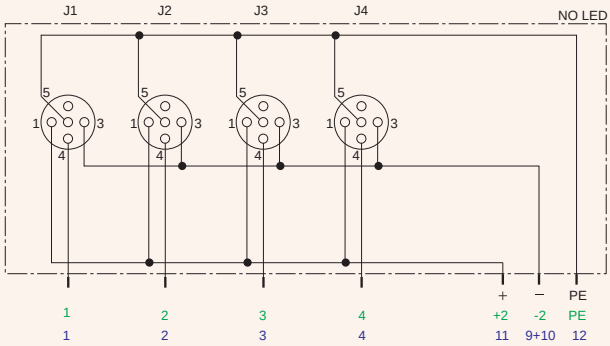
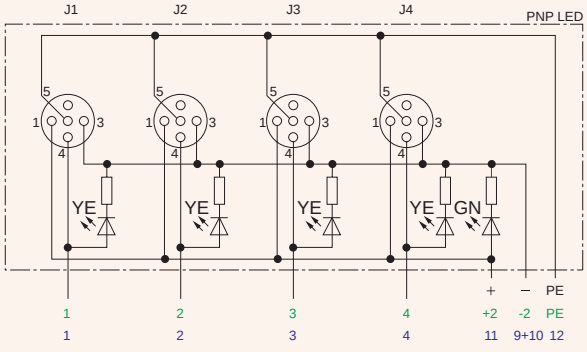
** Standard coupling nut material is nickel plated brass

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M12 4 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	1 signal per port NO LED M23 vertical connector	JB4M12-4-T 10071030
	1 signal per port PNP LED M23 vertical connector	JB4M12-4P-T 10071031
	1 signal per port NPN LED M23 vertical connector	JB4M12-4N-T 10071032
	1 signal per port NO LED Terminal connection	JB4M12-4-J 10071020
	1 signal per port PNP LED Terminal connection	JB4M12-4P-J 10071021
	1 signal per port NPN LED Terminal connection	JB4M12-4N-J 10071022

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

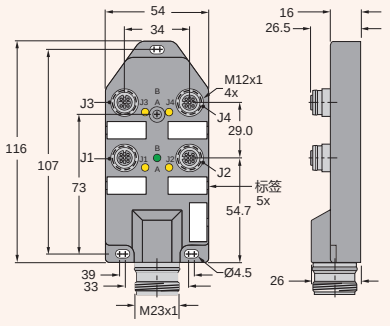
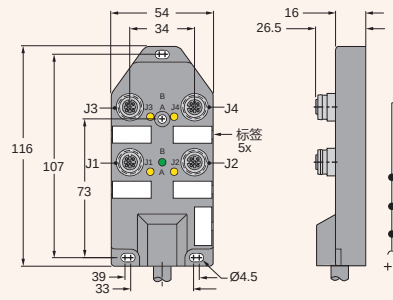
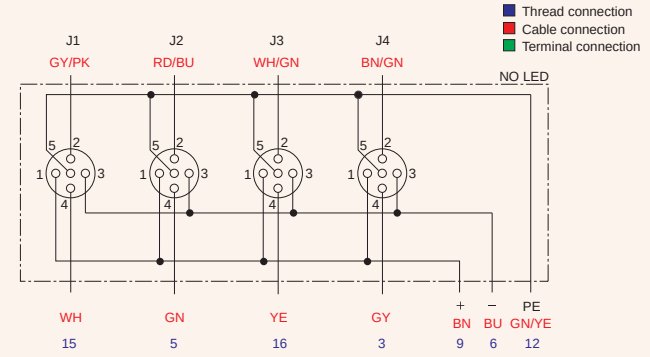
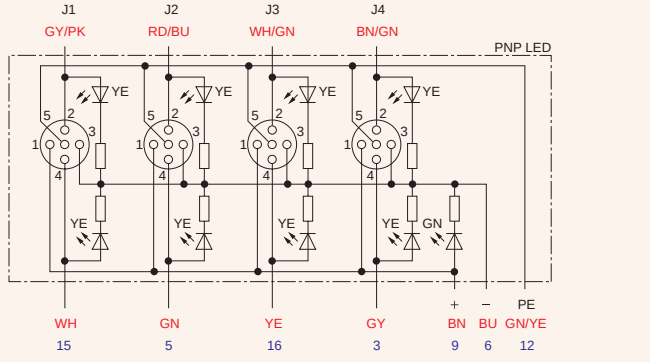
** Standard coupling nut material is nickel plated brass

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M12 4 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	2 signals per port NO LED M23 Horizontal connector	JB4M12-4-R 10071050
	2 signals per port PNP LED M23 Horizontal connector	JB4M12-4P-R 10071051
	2 signals per port NPN LED M23 Horizontal connector	JB4M12-4N-R 10071052
	2 signals per port No LED 2m Black 11 Wires PVC 3x18AWG+8x22AWG Ø10.5mm Cable Type NO. : CS111801-*M	JB4M12-4-D2-R 10071060
	2 signals per port PNP LED 2m Black 11 Wires PVC 3x18AWG+8x22AWG Ø10.5mm Cable Type NO. : CS111801-*M	JB4M12-4P-D2-R 10071061
	2 signals per port NPN LED 2m Black 11 Wires PVC 3x18AWG+8x22AWG Ø10.5mm Cable Type NO. : CS111801-*M	JB4M12-4N-D2-R 10071062

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

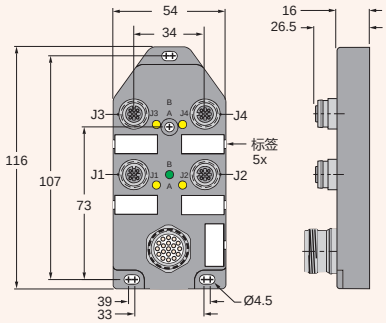
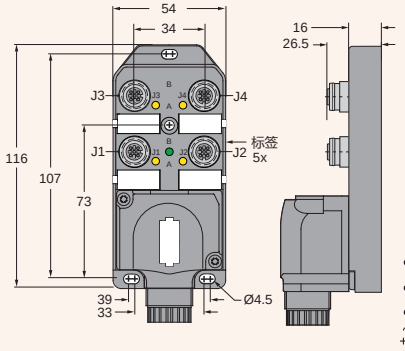
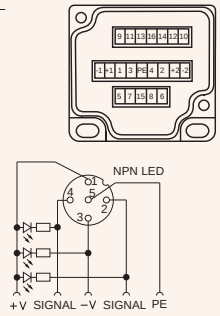
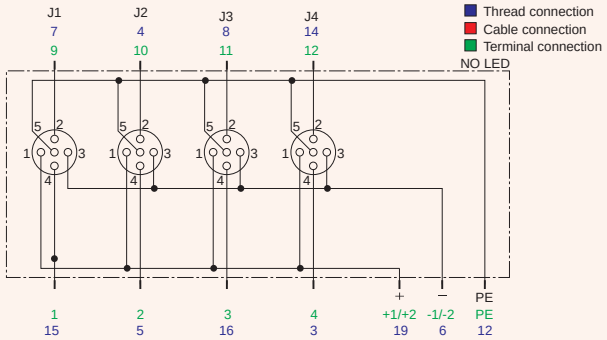
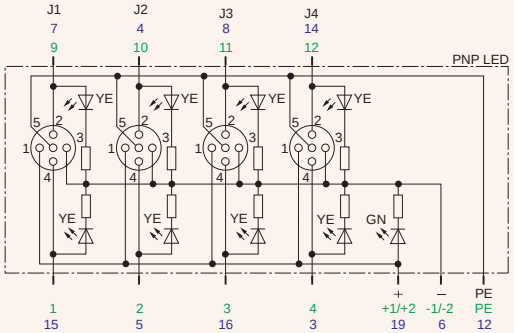
** Standard coupling nut material is nickel plated brass

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M12 4 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	2 signals per port NO LED M23 vertical connector	JB4M12-4-T-R 10071080
	2 signals per port PNP LED M23 vertical connector	JB4M12-4P-T-R 10071081
	2 signals per port NPN LED M23 vertical connector	JB4M12-4N-T-R 10071082
	2 signals per port NO LED Terminal connection	JB4M12-4-J-R 10071070
	2 signals per port PNP LED Terminal connection	JB4M12-4P-J-R 10071071
	2 signals per port NPN LED Terminal connection	JB4M12-4N-J-R 10071072

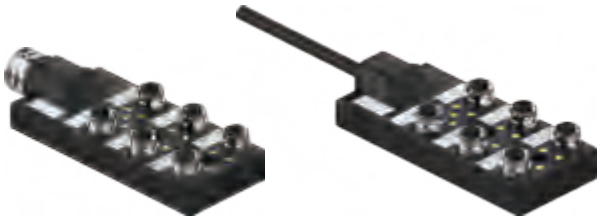
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

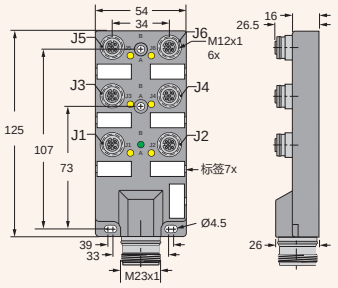
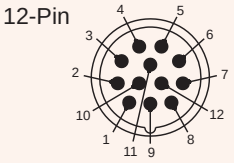
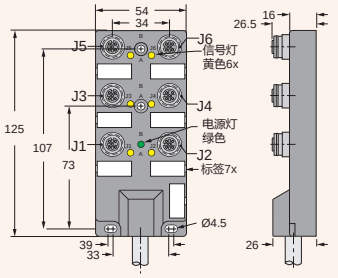
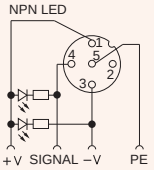
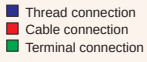
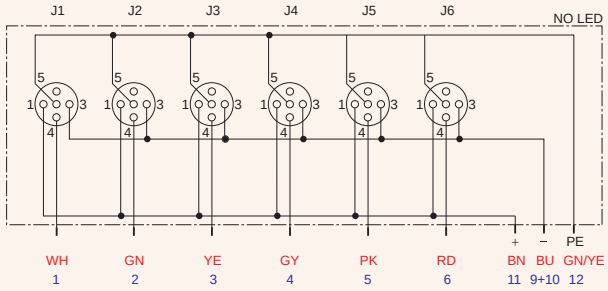
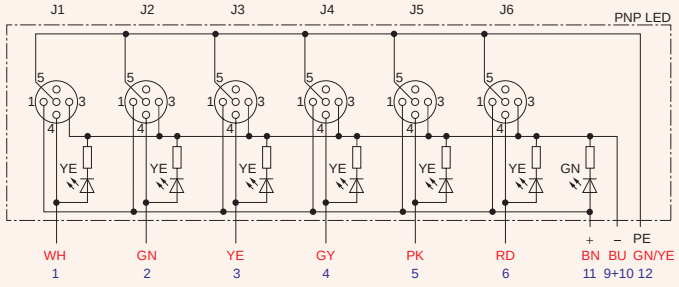
** Standard coupling nut material is nickel plated brass

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M12 6 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 	1 signal per port NO LED M23 Horizontal connector	JB6M12-4 10072000
  	1 signal per port PNP LED M23 Horizontal connector	JB6M12-4P 10072001
	1 signal per port PNP LED M23 Horizontal connector	JB6M12-4N 10072002
	1 signal per port NO LED 2m Black 9 Wires 9x18AWG PVC Ø10.0mm Cable Type NO. : CS091800-*M	JB6M12-4-D2 10072010
	1 signal per port PNP LED 2m Black 9 Wires 9x18AWG PVC Ø10.0mm Cable Type NO. : CS091800-*M	JB6M12-4P-D2 10072011
	1 signal per port NPN LED 2m Black 9 Wires 9x18AWG PVC Ø10.0mm Cable Type NO. : CS091800-*M	JB6M12-4N-D2 10072042

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

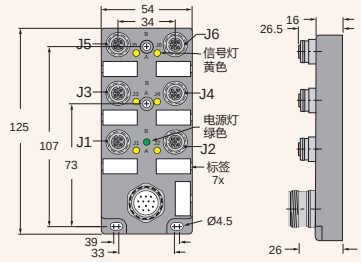
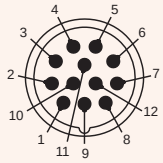
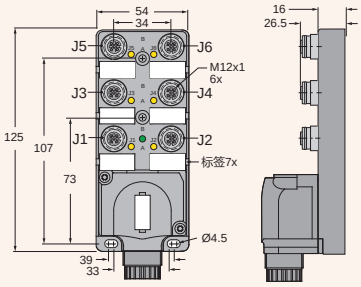
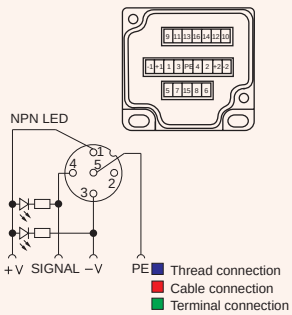
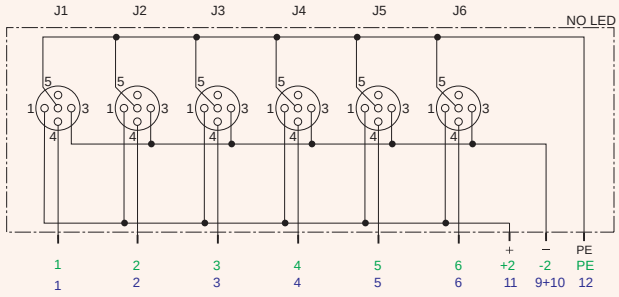
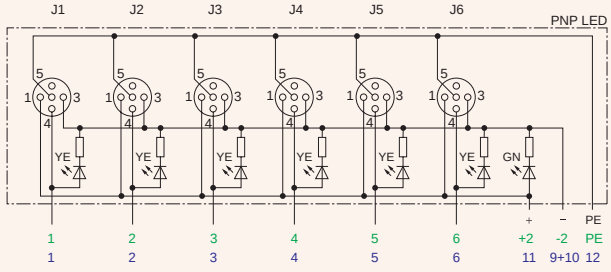
** Standard coupling nut material is nickel plated brass

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M12 6 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 M23 12-Pin 	1 signal per port NO LED M23 vertical connector	JB6M12-4-T 10072030
 Terminal connection 	1 signal per port PNP LED M23 vertical connector	JB6M12-4P-T 10072031
	1 signal per port NPN LED M23 vertical connector	JB6M12-4N-T 10072032
	1 signal per port NO LED Terminal connection	JB6M12-4-J 10072020
	1 signal per port PNP LED Terminal connection	JB6M12-4P-J 10072021
	1 signal per port NPN LED Terminal connection	JB6M12-4N-J 10072022

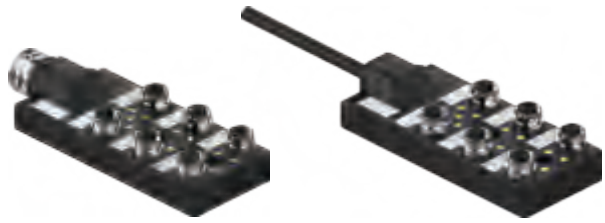
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

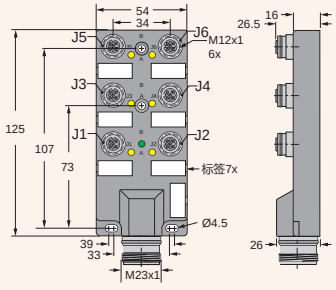
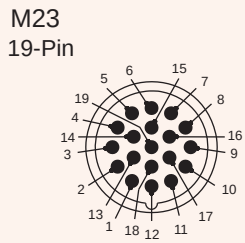
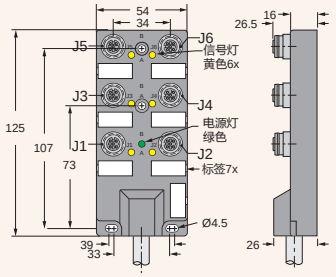
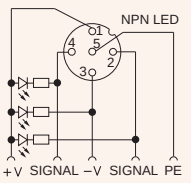
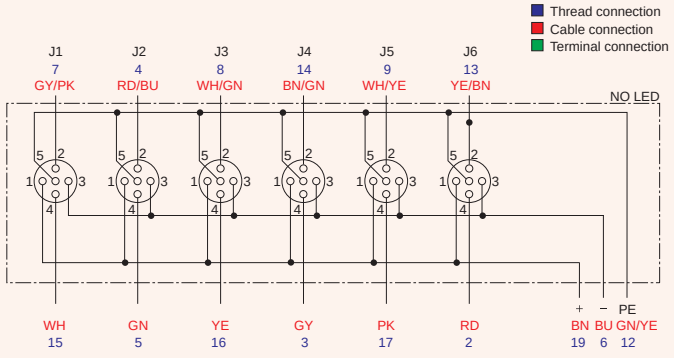
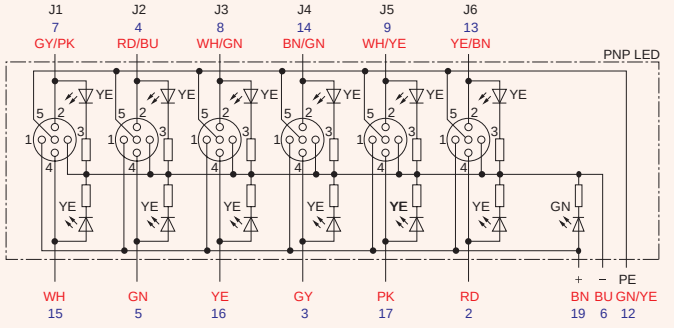
** Standard coupling nut material is nickel plated brass

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M12 6 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 	2 signals per port NO LED M23 Horizontal connector	JB6M12-4-R 10071100
 	2 signals per port PNP LED M23 Horizontal connector	JB6M12-4P-R 10071101
	2 signals per port NPN LED M23 Horizontal connector	JB6M12-4N-R 10071102
	2 signals per port No LED 2m Black 15Wires 3x18AWG+12x22AWG Ø8.4mm,PVC Cable Type NO. : CS152200-*M	JB6M12-4-D2-R 10071090
	2 signals per port PNP LED 2m Black 15Wires 3x18AWG+12x22AWG Ø8.4mm,PVC Cable Type NO. : CS152200-*M	JB6M12-4P-D2-R 10071091
	2 signals per port NPN LED 2m Black 15Wires 3x18AWG+12x22AWG Ø8.4mm,PVC Cable Type NO. : CS152200-*M	JB6M12-4N-D2-R 10071092

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

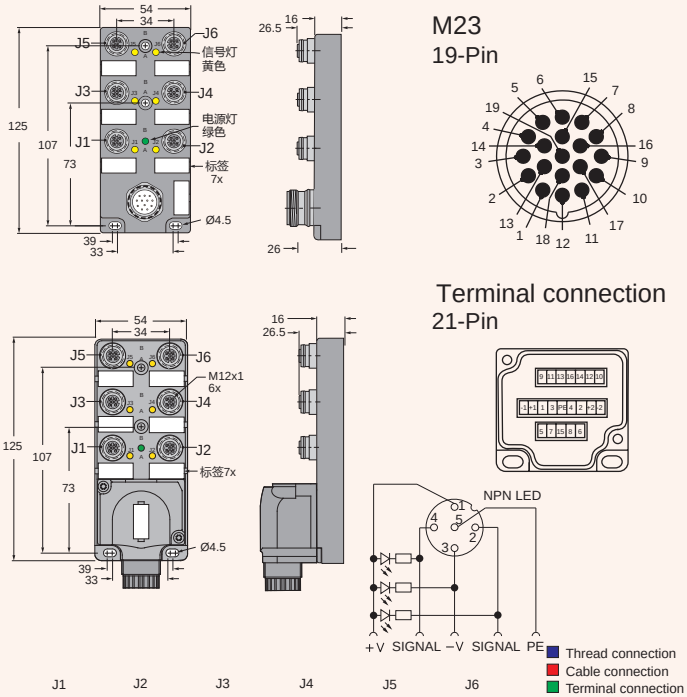
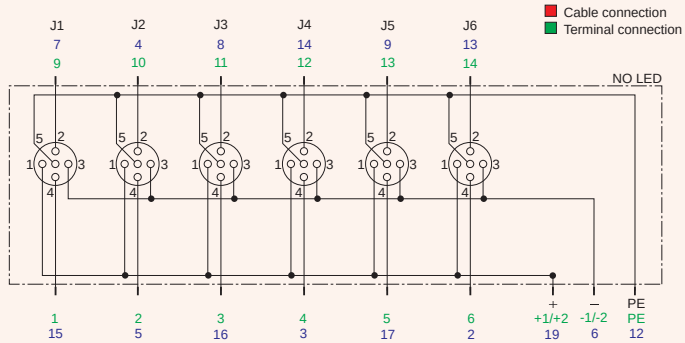
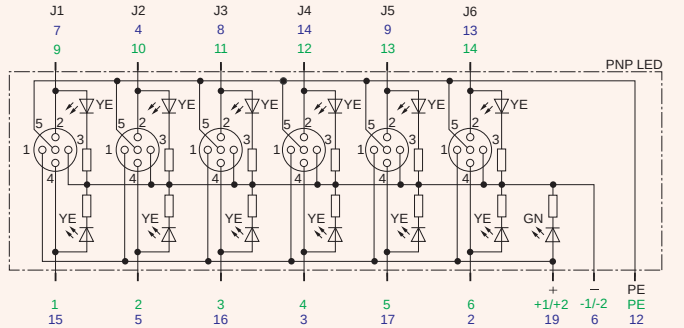
** Standard coupling nut material is nickel plated brass

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M12 6 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM:FPM/FKM ， IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
	2 signals per port NO LED M23 vertical connector	JB6M12-4-T-R 10072080
	2 signals per port PNP LED M23 vertical connector	JB6M12-4P-T-R 10072081
	2 signals per port NPN LED M23 vertical connector	JB6M12-4N-T-R 10072082
	2 signals per port NO LED Terminal connection	JB6M12-4-J-R 10072070
	2 signals per port PNP LED Terminal connection	JB6M12-4P-J-R 10072071
	2 signals per port NPN LED Terminal connection	JB6M12-4N-J-R 10072072

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

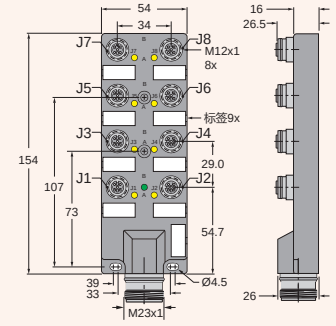
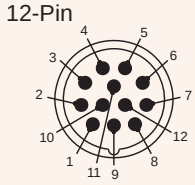
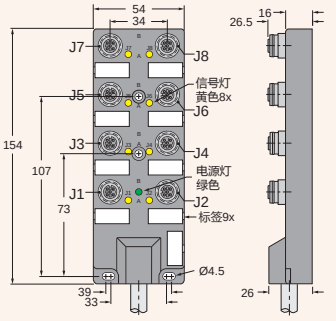
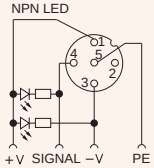
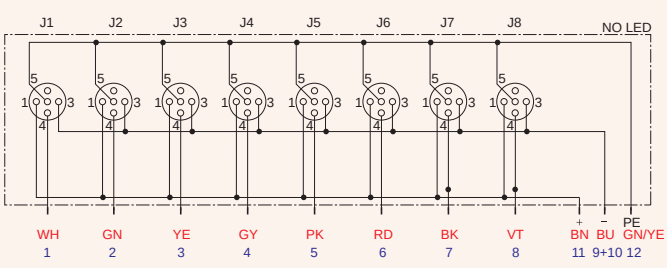
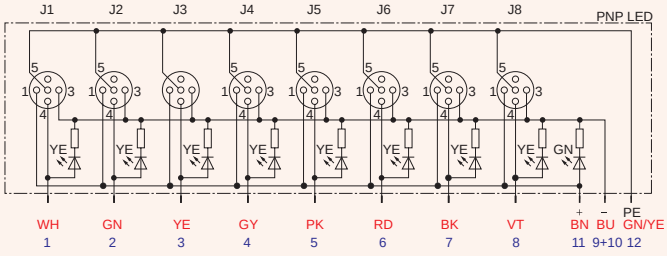
** Standard coupling nut material is nickel plated brass

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M12 8 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 9 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 	1 signal per port NO LED M23 Horizontal connector	JB8M12-4 10073000
 	1 signal per port PNP LED M23 Horizontal connector	JB8M12-4P 10073001
	1 signal per port PNP LED M23 Horizontal connector	JB8M12-4N 10073002
	1 signal per port NO LED 2m Black 11 Wires 11x18AWG PVC Ø10.0mm Cable Type NO. : CS111800-*M	JB8M12-4-D2 10073010
	1 signal per port PNP LED 2m Black 9 Wires 9x18AWG PVC Ø10.0mm Cable Type NO. : CS091800-*M	JB8M12-4P-D2 10073011
	1 signal per port NPN LED 2m Black 9 Wires 9x18AWG PVC Ø10.0mm Cable Type NO. : CS091800-*M	JB8M12-4N-D2 10073042

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

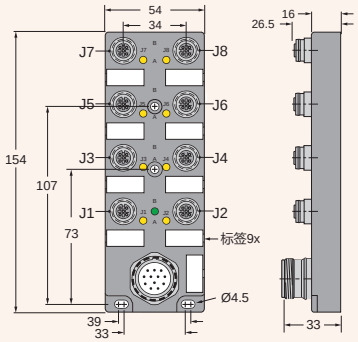
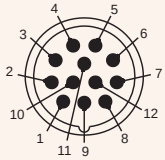
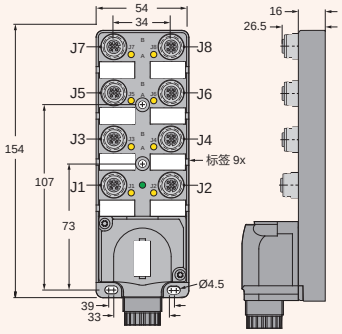
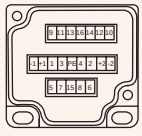
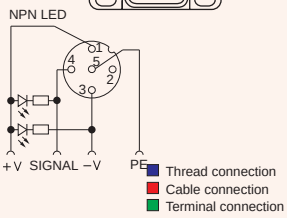
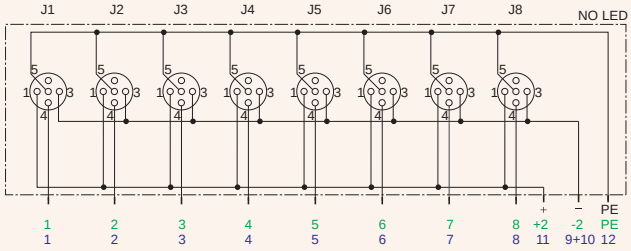
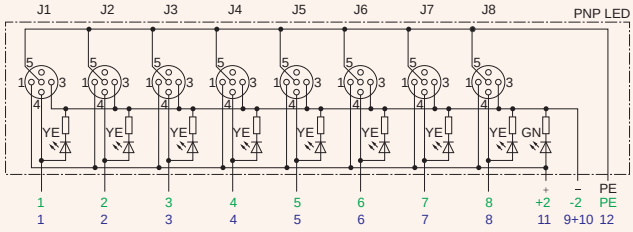
** Standard coupling nut material is nickel plated brass

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M12 8 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 M23 12-Pin 	1 signal per port NO LED M23 vertical connector	JB8M12-4-T 10073030
 Terminal connection 21-Pin  	1 signal per port PNP LED M23 vertical connector	JB8M12-4P-T 10073031
	1 signal per port NPN LED M23 vertical connector	JB8M12-4N-T 10073032
	1 signal per port NO LED Terminal connection	JB8M12-4-J 10073020
	1 signal per port PNP LED Terminal connection	JB8M12-4P-J 10073021
	1 signal per port NPN LED Terminal connection	JB8M12-4N-J 10073022

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

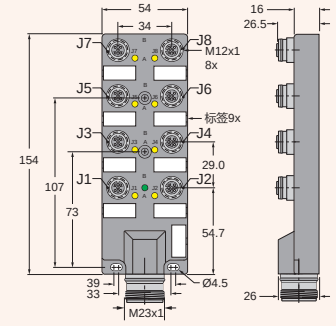
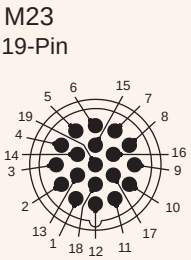
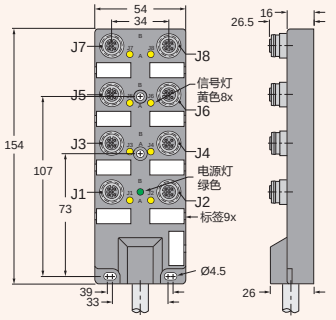
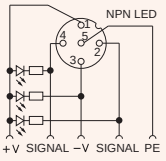
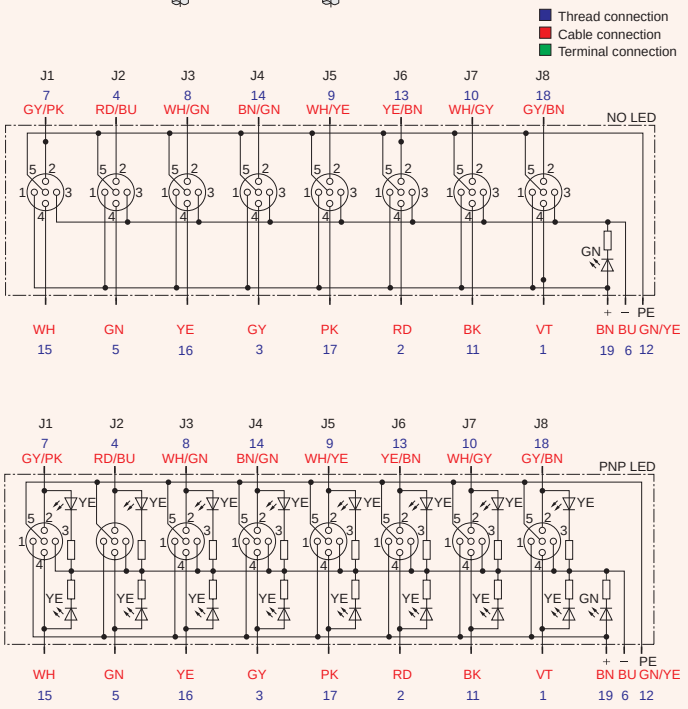
** Standard coupling nut material is nickel plated brass

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M12 8 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100



Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 	2 signals per port NO LED M23 Horizontal connector	JB8M12-4-R 10073050
 	2 signals per port PNP LED M23 Horizontal connector	JB8M12-4P-R 10073051
	2 signals per port NPN LED M23 Horizontal connector	JB8M12-4N-R 10073052
	2 signals per port No LED 2m Black 19 Wires 3x18AWG+16x22AWG Ø10.7mm PVC Cable Type NO. : CS192200-*M	JB8M12-4-D2-R 10073060
	2 signals per port PNP LED 2m Black 19 Wires 3x18AWG+16x22AWG Ø10.7mm PVC Cable Type NO. : CS192200-*M	JB8M12-4P-D2-R 10073061
	2 signals per port NPN LED 2m Black 19 Wires 3x18AWG+16x22AWG Ø10.7mm PVC Cable Type NO. : CS192200-*M	JB8M12-4N-D2-R 10073062

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

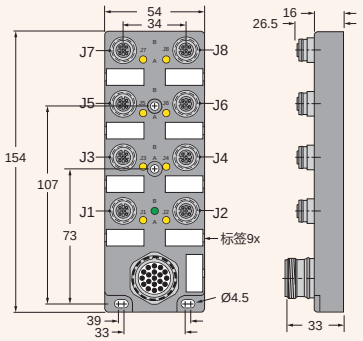
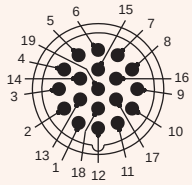
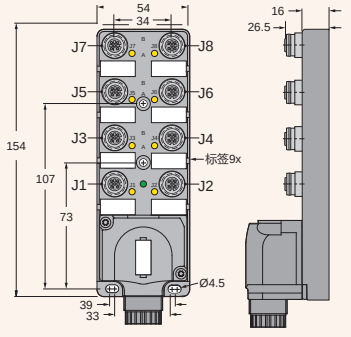
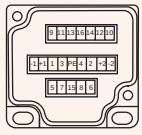
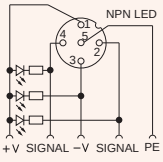
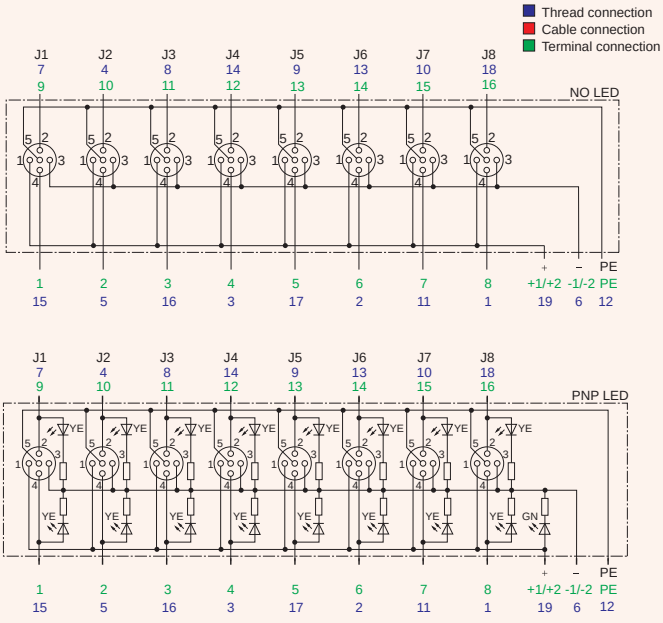
** Standard coupling nut material is nickel plated brass

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M12 8 ports Junction box

- Housing material:Nylon/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM, IP degree:IP67
- Load:10~30VDC,2 A/port, 6 A total,LED 10mA
- Temperature range:-30...+80℃
- Mechanical operation:≥100

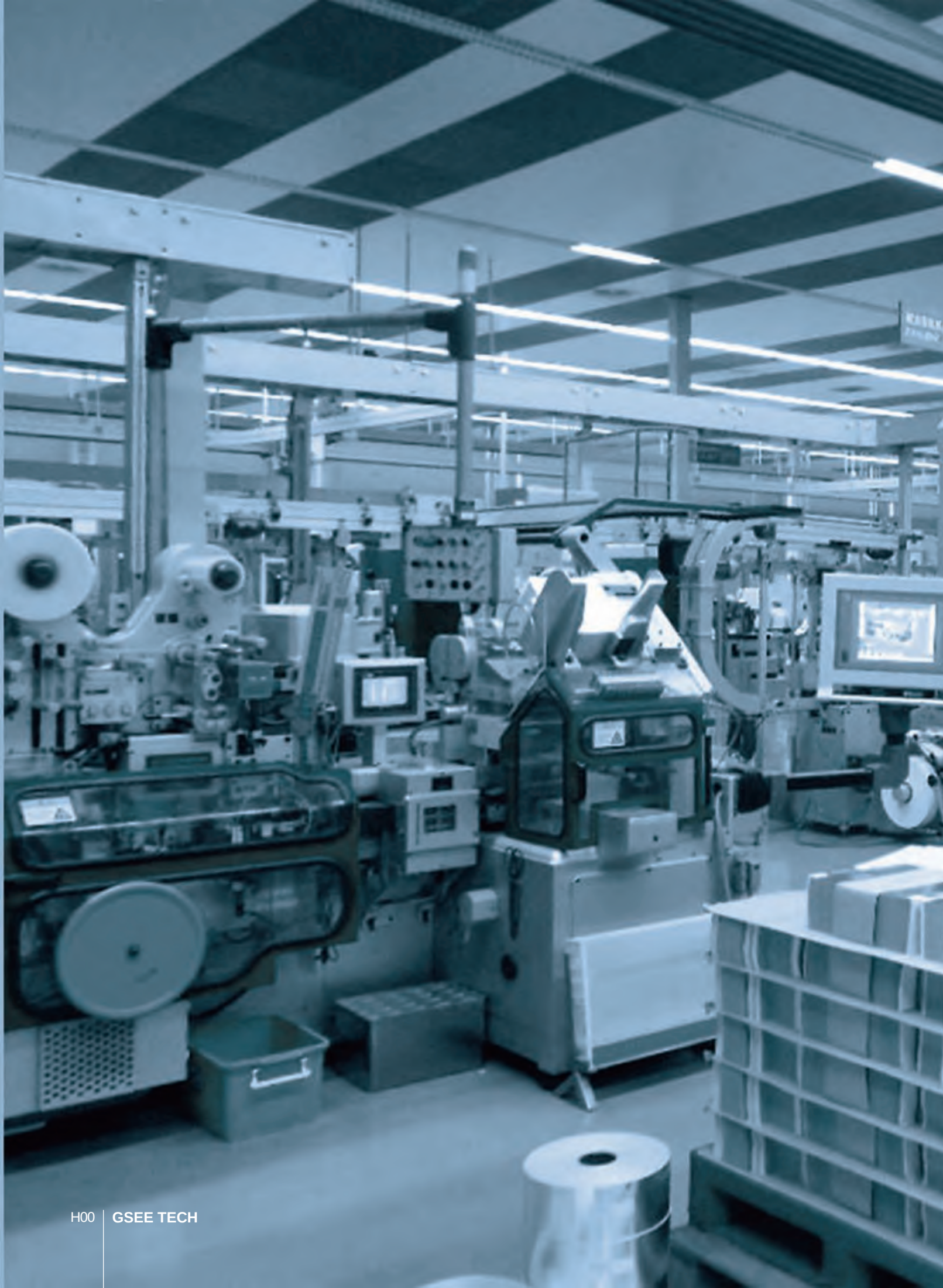


Dimensions/Circuit diagram	Specifications	Type NO./ID NO.
 M23 19-Pin 	2 signals per port NO LED M12 vertical connector	JB8M12-4-T-R 10073080
 Terminal connection 21-Pin  	2 signals per port PNP LED M12 vertical connector	JB8M12-4P-T-R 10073081
	2 signals per port NPN LED M12 vertical connector	JB8M12-4N-T-R 10073082
	2 signals per port NO LED Terminal connection	JB8M12-4-J-R 10073070
	2 signals per port PNP LED Terminal connection	JB8M12-4P-J-R 10073071
	2 signals per port NPN LED Terminal connection	JB8M12-4N-J-R 10073072

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

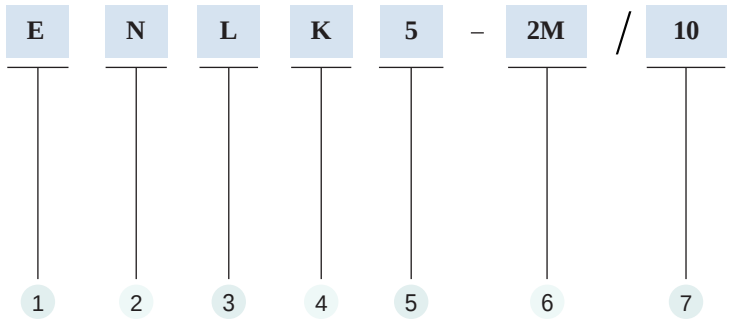
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DeviceNet™ connector

M12x1 pre-moulding DeviceNet™ connector



1 E M12x1 connector

2 N DeviceNet™ type

3 L Right angle
Blank Straight

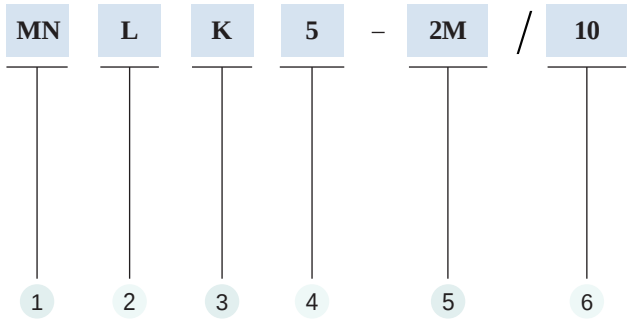
4 K Female
Z Male

5 Number of pins
contact distribution 1 Shield
2 RD(V+)
3 BK(V-)
4 WH(CAN_H)
5 BU(CAN_L)

6 Length [m]

7 Cable Jacket**
/10 - Thin cable 10

7/8”DeviceNet™ pre-moulding connector



1 MN 7/8” DeviceNet™ connector

2 L Right angle
Blank Straight

3 K Female
Z Male

4 Number of pins

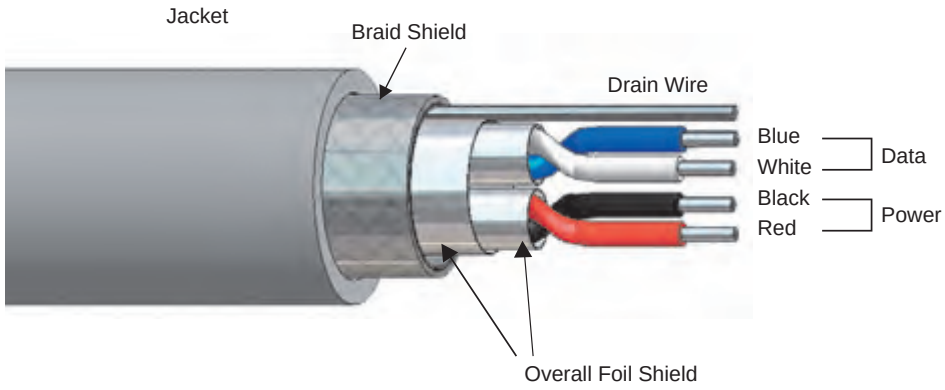
5 Length [m]

6 Cable Jacket**
Blank Thick Cable Blank
/10 Thin cable 10

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DeviceNet™ Thin Cable Specifications

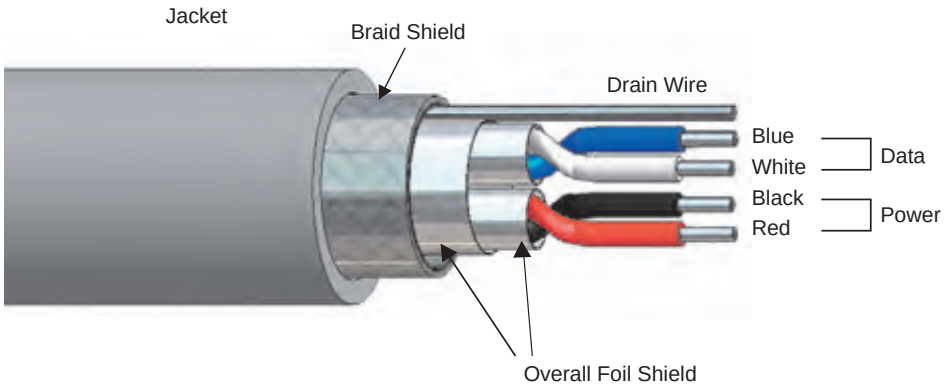
Commonly used DeviceNet™ Branch network , or in Route for maximum distance of 100m



Cable Type NO.	Power wire		Data wire		Out Jacket	Shields	Features	Suffix code
	AWG Color Code	DCR(/1000 feet) Insulation	AWG Color Code	DCR(/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire		
CS042280-*M	2/22 AWG BK/RD	18.1 Ohms PVC	2/22 AWG BU/WH	18.1 Ohms PE	PVC Grey 7.2 mm	Foil 22 AWG		10 75°C 300 Volts
CS042285-*M	2/22 AWG BK/RD	16.5 Ohms PVC	2/22 AWG BU/WH	16.5 Ohms PE	TPU Charcoal gray	Foil/Braid 22 AWG	Highly flexible Resistance weld-sparks	0032 80°C 600 Volts

DeviceNet™ Mid Cable Specifications

DeviceNet™ network trunk can be used for a maximum distance of 300m

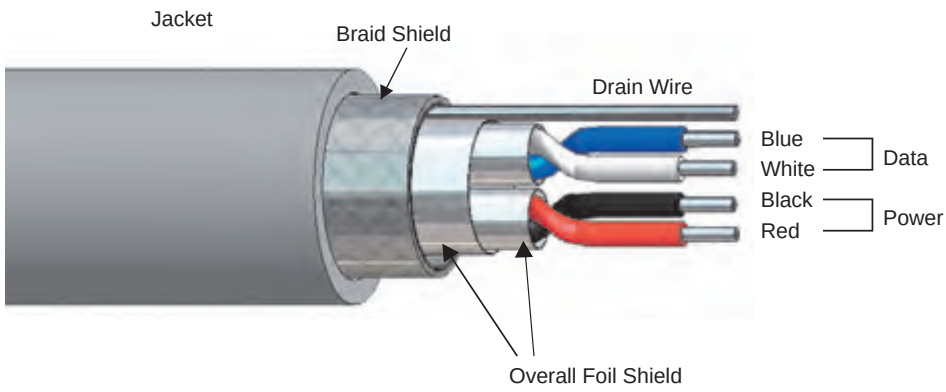


Cable Type NO.	Power wire		Data wire		Out Jacket	Shields	Features	Suffix code
	AWG Color Code	DCR(/1000 feet) Insulation	AWG Color Code	DCR(/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire		
CS041680-*M	2/16AWG BK/RD	4.1 Ohms PVC	2/20 AWG BU/WH	11.2 Ohms PE	PVC Grey 8.4 mm	Foil 20 AWG		0011 80°C 300 Volts
CS041681-*M	2/16AWG BK/RD	4.1Ohms PVC	2/20 AWG BU/WH	10.4 Ohms PE	PVC Grey 10 mm	Foil	Highly flexible Resistance weld-sparks	0031 80°C 300 Volts

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DeviceNet™ Thick Cable Specifications

DeviceNet™ network backbone for a maximum distance of 500m



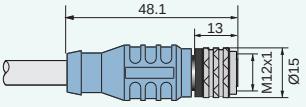
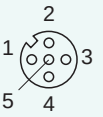
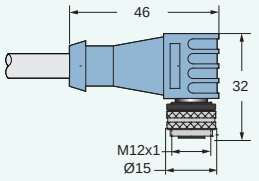
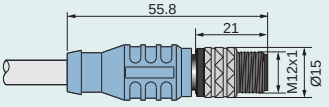
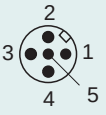
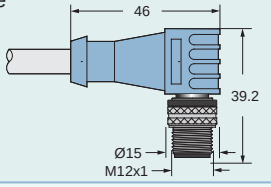
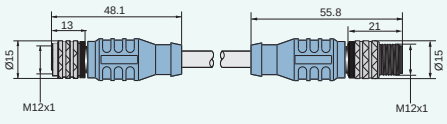
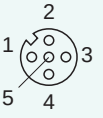
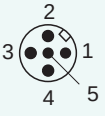
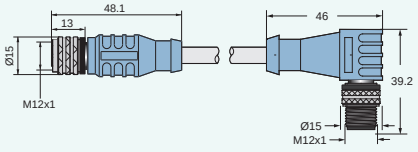
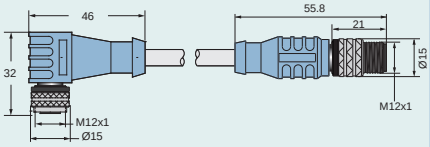
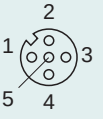
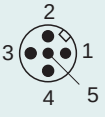
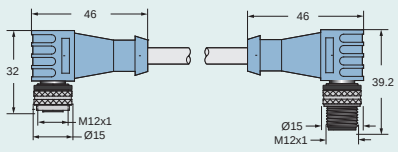
Cable Type NO.	Power wire		Data wire		Out Jacket	Shields	Features	Suffix code
	AWG Color Code	DCR(/1000 feet) Insulation	AWG Color Code	DCR(/1000 feet) Insulation	Material Color Nominal O.D.	Type Drain Wire		
CS041580-*M	2/15AWG BK/RD	3.2 Ohms PVC	2/18AWG BU/WH	6.5 Ohms PE	PVC Grey 11.3 mm	Foil/Braid 18 AWG		blank 75°C 300 Volts
CS041583-*M	2/15AWG BK/RD	3.44 Ohms PE	2/18 AWG BU/WH	7.06 Ohms PE	PVC Grey 13.7 mm	Foil/Braid 18 AWG	High flex	0027 75°C 300 Volts

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www.bce.it - E-mail: bce@bce.it

M12 DeviceNet™ Pre-moulding Connector

- Plug body:TPU/Bule
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:4A
- Rated voltage:250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+75℃
- Mechanical operation:≥100



Pre-moulding Connector	Type NO.	ID NO.	Pinout
Straight Female ENK..** 	ENK5-2M/10 ENK5-5M/10 ENK5-10M/10	10013000 10013001 10013002	Female  1.Shield 2.RD(V+) 3.BK(V-) 4.WH(CAN_H) 5.BU(CAN_L)
Right angle Female ENLK..** 	ENLK5-2M/10 ENLK5-5M/10 ENLK5-10M/10	10013010 10013011 10013012	
Straight Male ENZ..** 	ENZ5-2M/10 ENZ5-5M/10 ENZ5-10M/10	10013020 10013021 10013022	Male  1.Shield 2.RD(V+) 3.BK(V-) 4.WH(CAN_H) 5.BU(CAN_L)
Right angle Male ENLZ..** 	ENLZ5-2M/10 ENLZ5-5M/10 ENLZ5-10M/10	10013030 10013031 10013032	
	ENK5 ENZ5-2M/10 ENK5 ENZ5-5M/10 ENK5 ENZ5-10M/10	10013040 10013041 10013042	 
	ENK5 ENLZ5-2M/10 ENK5 ENLZ5-5M/10 ENK5 ENLZ5-10M/10	10013050 10013051 10013052	1.Shield 2.RD (V+) 3.BK (V-) 4.WH (CAN_H) 5.BU (CAN_L)
	ENLK5 ENZ5-2M/10 ENLK5 ENZ5-5M/10 ENLK5 ENZ5-10M/10	10013060 10013061 10013062	 
	ENLK5 ENLZ5-2M/10 ENLK5 ENLZ5-5M/10 ENLK5 ENLZ5-10M/10	10013070 10013071 10013072	1.Shield 2.RD (V+) 3.BK (V-) 4.WH (CAN_H) 5.BU (CAN_L)

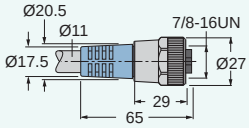
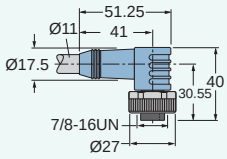
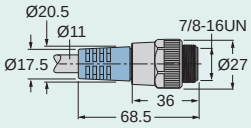
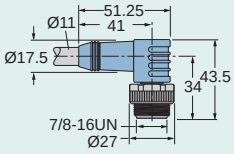
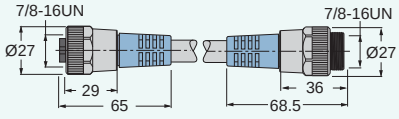
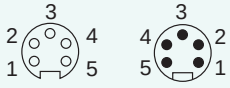
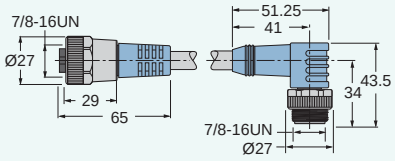
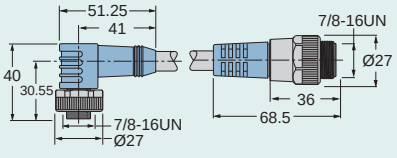
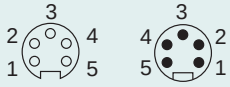
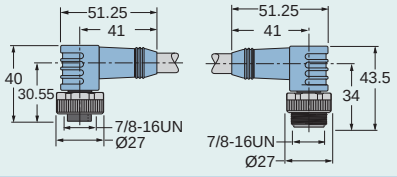
* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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- Plug body:TPU/Bule
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:9A
- Rated voltage:250V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+75℃
- Mechanical operation:≥100



Pre-moulding Connector	Type NO.	ID NO.	Pinout
Straight Female MNK..** 	MNK5-2M MNK5-5M MNK5-10M	10031000 10031001 10031002	Female  1.Shield 2.RD(V+) 3.BK(V-) 4.WH(CAN_H) 5.BU(CAN_L)
Right angle Female MNLK..** 	MNLK5-2M MNLK5-5M MNLK5-10M	10031010 10031011 10031012	
Straight Male MNZ..** 	MNZ5-2M MNZ5-5M MNZ5-10M	10031020 10031021 10031022	Male  1.Shield 2.RD(V+) 3.BK(V-) 4.WH(CAN_H) 5.BU(CAN_L)
Right angle Male MNLZ..** 	MNLZ5-2M MNLZ5-5M MNLZ5-10M	10031030 10031031 10031032	
	MNK5 MNZ5-2M MNK5 MNZ5-5M MNK5 MNZ5-10M	10031040 10031041 10031042	 1.Shield 2.RD (V+) 3.BK (V-) 4.WH (CAN_H) 5.BU (CAN_L)
	MNK5 MNLZ5-2M MNK5 MNLZ5-5M MNK5 MNLZ5-10M	10031050 10031051 10031052	
	MNLK5 MNZ5-2M MNLK5 MNZ5-5M MNLK5 MNZ5-10M	10031060 10031061 10031062	
	MNLK5 MNLZ5-2M MNLK5 MNLZ5-5M MNLK5 MNLZ5-10M	10031070 10031071 10031072	1.Shield 2.RD (V+) 3.BK (V-) 4.WH (CAN_H) 5.BU (CAN_L)

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

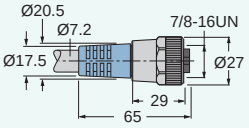
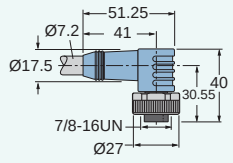
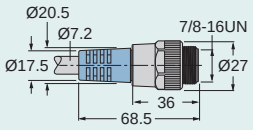
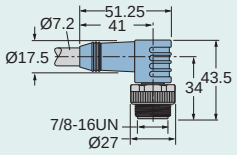
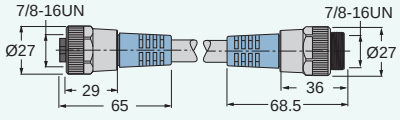
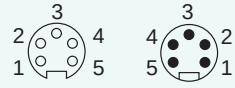
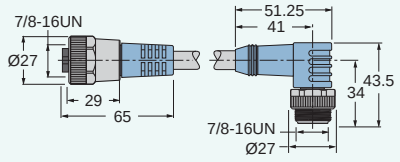
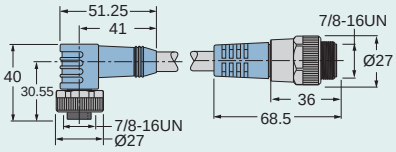
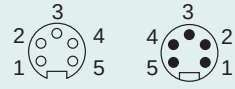
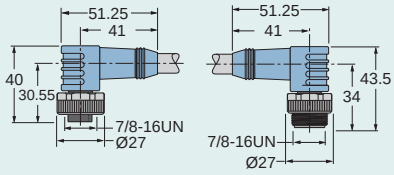
** Standard coupling nut material is nickel plated brass

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7/8'' DeviceNet™ Thin Cable Pre-moulding Connector

- Plug body:TPU/Bule
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- IP degree:IP68
- Rated current:5A
- Rated voltage:300V
- Insulation resistance:≥10^9Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+75℃
- Mechanical operation:≥100



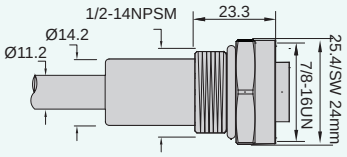
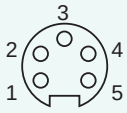
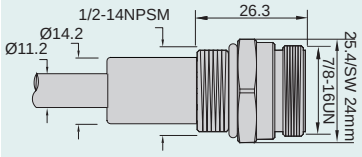
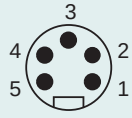
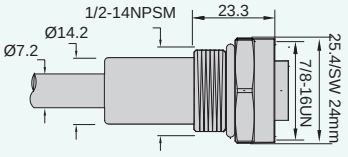
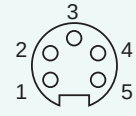
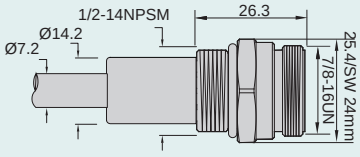
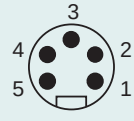
Pre-moulding Connector	Type NO.	ID NO.	Pinout
Straight Female MNK..** 	MNK5-2M/10 MNK5-5M/10 MNK5-10M/10	10030600 10030601 10030602	Female  1.Shield 2.RD(V+) 3.BK(V-) 4.WH(CAN_H) 5.BU(CAN_L)
Right angle Female MNLK..** 	MNLK5-2M/10 MNLK5-5M/10 MNLK5-10M/10	10030610 10030611 10030612	
Straight Male MNZ..** 	MNZ5-2M/10 MNZ5-5M/10 MNZ5-10M/10	10030620 10030621 10030622	Male  1.Shield 2.RD(V+) 3.BK(V-) 4.WH(CAN_H) 5.BU(CAN_L)
Right angle Male MNLZ..** 	MNLZ5-2M/10 MNLZ5-5M/10 MNLZ5-10M/10	10030630 10030631 10030632	
	MNK5 MNZ5-2M/10 MNK5 MNZ5-5M/10 MNK5 MNZ5-10M/10	10030640 10030641 10030642	
	MNK5 MNLZ5-2M/10 MNK5 MNLZ5-5M/10 MNK5 MNLZ5-10M/10	10030650 10030651 10030652	1.Shield 2.RD (V+) 3.BK (V-) 4.WH (CAN_H) 5.BU (CAN_L)
	MNLK5 MNZ5-2M/10 MNLK5 MNZ5-5M/10 MNLK5 MNZ5-10M/10	10030660 10030661 10030662	
	MNLK5 MNLZ5-2M/10 MNLK5 MNLZ5-5M/10 MNLK5 MNLZ5-10M/10	10030670 10030671 10030672	1.Shield 2.RD (V+) 3.BK (V-) 4.WH (CAN_H) 5.BU (CAN_L)

* Standard cable lengths are 2/5/10M, Consult factory for other lengths

** Standard coupling nut material is nickel plated brass

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Receptacle	Type NO.	ID NO.	Features	Pinout
7/8"Front mount cordset,thick Cable Female 	FMNK52-2M/NPSM/G1	10049403	2x15 AWG, 2x18 AWG, 18 AWG Drain Foil , Braid PVC Cable Type NO. : CS041580-*M -40°C ~ +105°C 300V 9A	Female  1.BARE(SHIELD) 2.RED(+VOLTAGE) 3.BLACK(-VOLTAGE) 4.WHITE(CAN_H) 5.BLUE(CAN_L)
7/8" Front mount cordset,thick Cable Male 	FMNZ52-2M/NPSM/G1	10049453	2x15 AWG, 2x18 AWG, 18 AWG Drain Foil , Braid PVC Cable Type NO. : CS041580-*M -40°C ~ +105°C 300V 9A	Male  1.BARE(SHIELD) 2.RED(+VOLTAGE) 3.BLACK(-VOLTAGE) 4.WHITE(CAN_H) 5.BLUE(CAN_L)
7/8"Front mount cordset,Thin cable Female 	FMNK52-2M/NPSM/G2	10049413	4x22 AWG 22AWG Drain Foil , Braid PVC Cable Type NO. : CS042280-*M -40°C ~ +105°C 300V 5A	Female  1.BARE(SHIELD) 2.RED(+VOLTAGE) 3.BLACK(-VOLTAGE) 4.WHITE(CAN_H) 5.BLUE(CAN_L)
7/8" Front mount cordset,Thin cable Male 	FMNZ52-2M/NPSM/G2	10049463	4x22 AWG 22AWG Drain Foil , Braid PVC Cable Type NO. : CS042280-*M -40°C ~ +105°C 300V 5A	Male  1.BARE(SHIELD) 2.RED(+VOLTAGE) 3.BLACK(-VOLTAGE) 4.WHITE(CAN_H) 5.BLUE(CAN_L)

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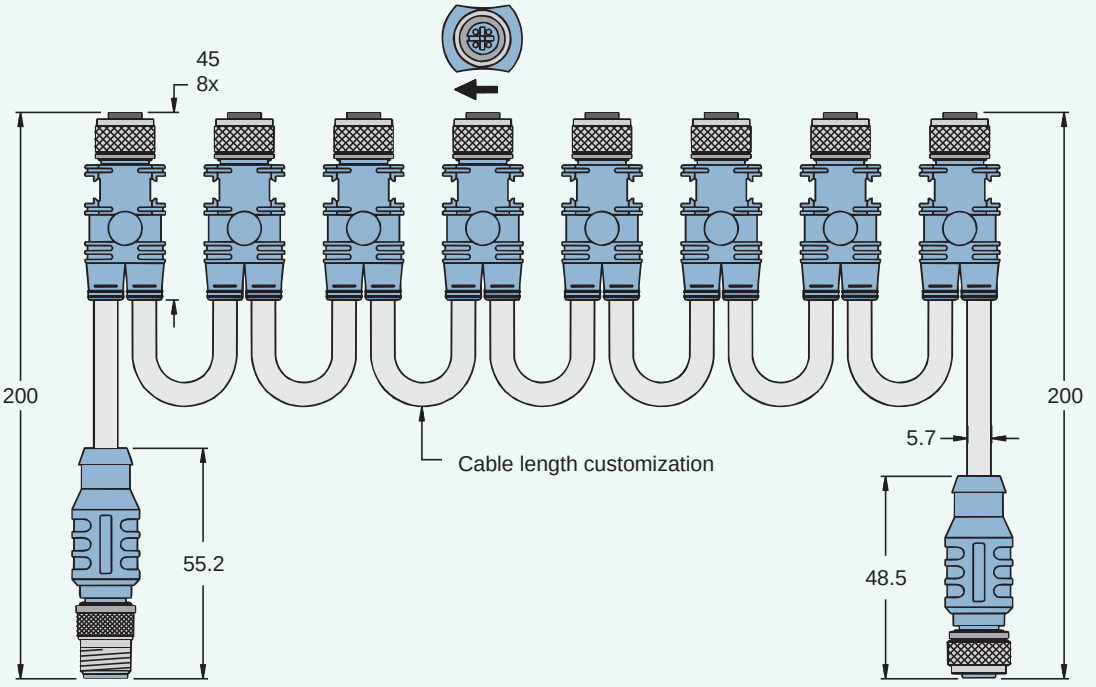
M12 DeviceNet™ Daisy Chain

- Multiple-branching construction,customized according to customer demand
- It has more price advantage,compared with the scheme which splitter work in with double pre-moulding connector

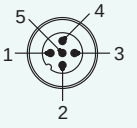
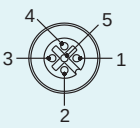


Type NO.	Features
ENZ5-8YK5-ENK5-0024-LDC	TPU,250V,4A,-40°to+75°C,Branch number,length, And M12 connector type is customized according to customer demand

Length is customized according to specific application environment



Pinout

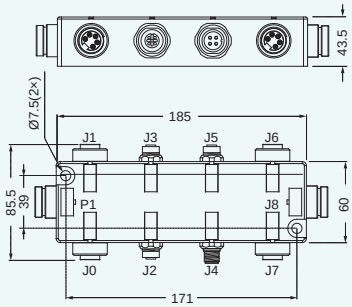
M12	
Male	Female
	

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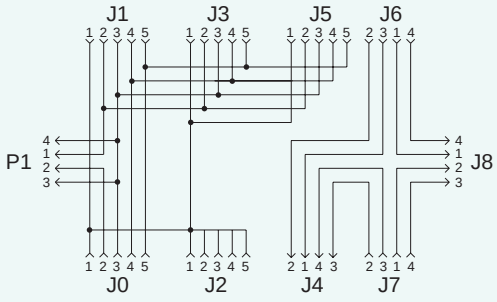
- 8 ports
- Nylon with glass fiber housing
- 7/8"/M12 I/O interface
- IP67 IP degree



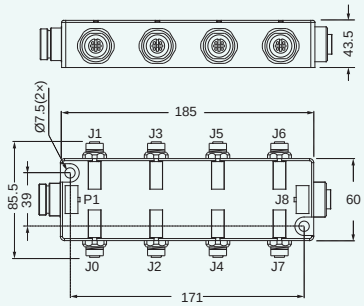
Type NO.	ID NO.	Features
JB8MENK-DN/ES	10074501	4 7/8"ports,4 M12 ports,temperature range: -40°C to +75°C



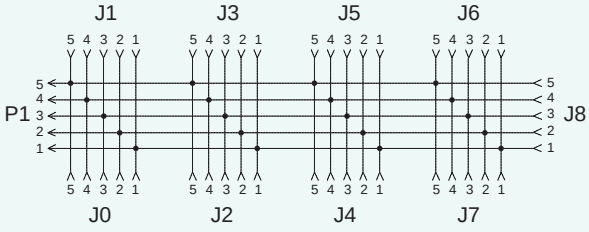
Circuit diagram



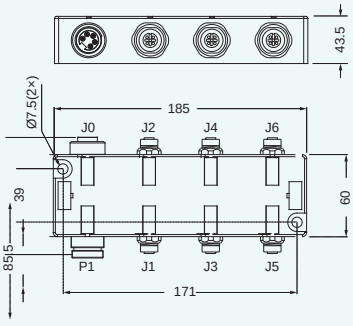
JB8ENK-DN	10074508	8 M12 ports,temperature range: -40°C to +75°C



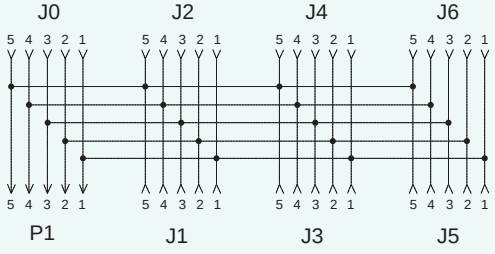
Circuit diagram



JB6ENK-DN	10074520	6 M12 ports,temperature range: -40°C to +75°C



Circuit diagram



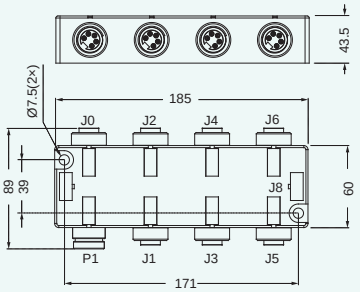
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7/8'' DeviceNet™ Junction box

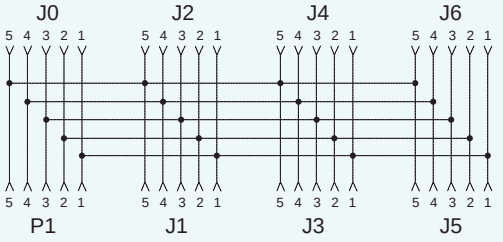
- 4 ports 6 ports 8 ports
- Nylon with glass fiber housing
- 7/8" I/O interface
- IP67 IP degree



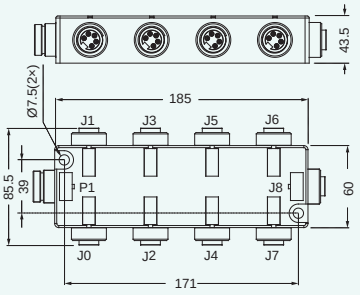
Type NO.	ID NO.	Features
JB6MNK-DN	10074504	6 7/8"ports,temperature range: -40°C to +75°C



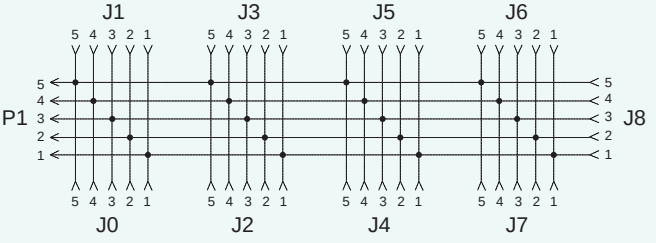
Circuit diagram



JB8MNK-DN	10074500	8 7/8"ports,temperature range: -40°C to +75°C



Circuit diagram

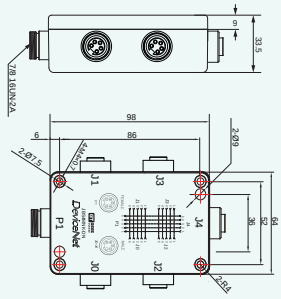


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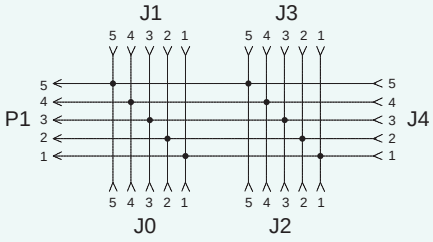
- 4 ports 6 ports 8 ports
- Cast aluminum housing
- 7/8" I/O interface
- IP67 IP degree



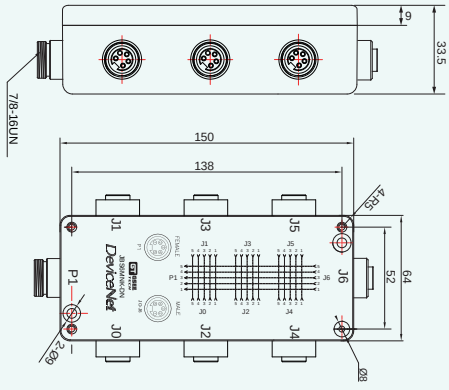
Type NO.	ID NO.	Features
JBS4MNK-DN	10074509	4 7/8"ports,temperature range: -40°C to +75°C



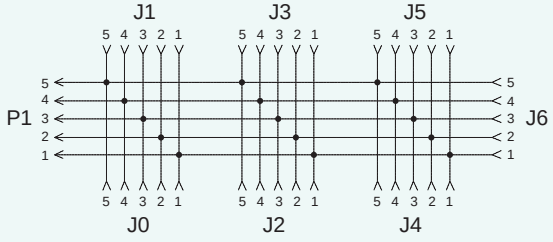
Circuit diagram



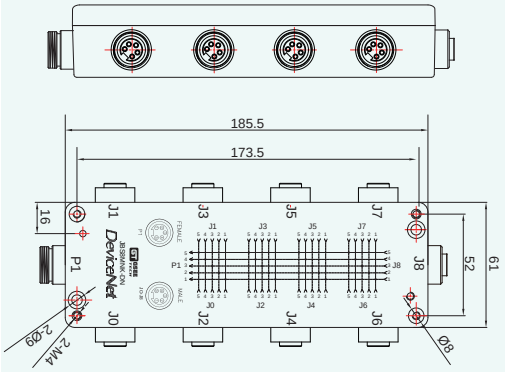
JBS6MNK-DN	10074510	6 7/8"ports,temperature range: -40°C to +75°C



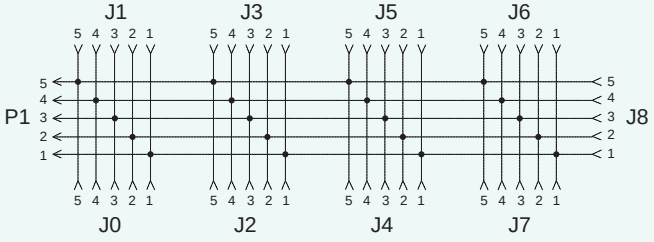
Circuit diagram



JBS8MNK-DN	10074505	8 7/8"ports,temperature range: -40°C to +75°C



Circuit diagram



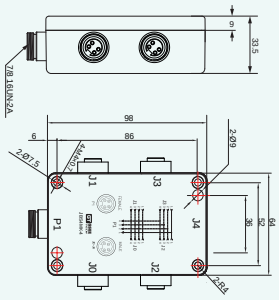
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7/8'' Power Junction box

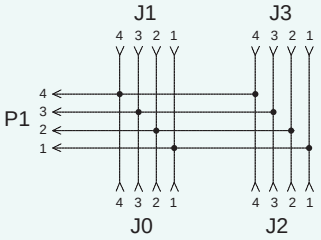
- 4 ports 6 ports 8 ports
- Cast aluminum housing
- 7/8" I/O interface
- IP67 IP degree



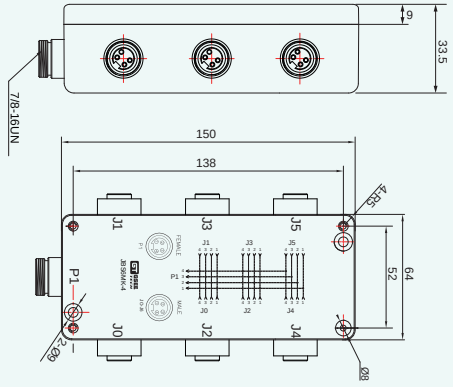
Type NO.	ID NO.	Features
JBS4MK-4	10073177	4 7/8"ports,temperature range: -40°C to +75°C



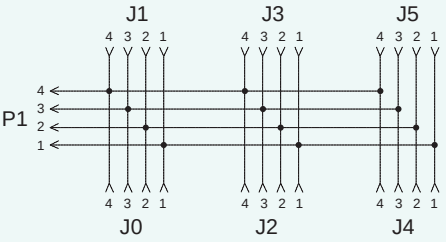
Circuit diagram



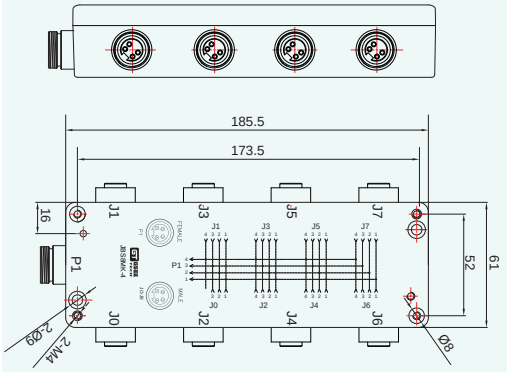
JBS6MK-4	10072023	6 7/8"ports,temperature range: -40°C to +75°C



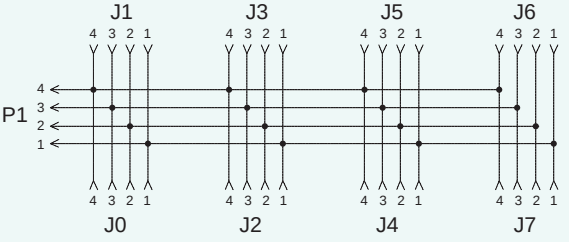
Circuit diagram



JBS8MK-4	10072024	8 7/8"ports,temperature range: -40°C to +75°C

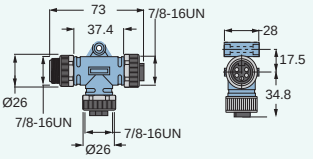
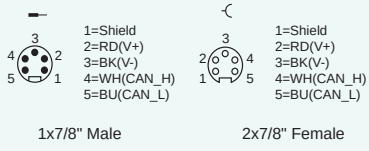
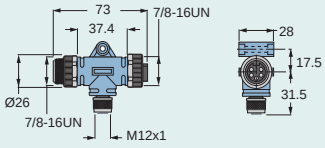
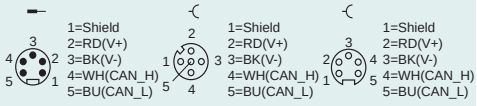
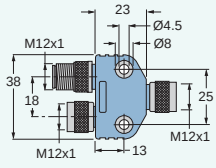
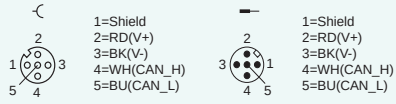
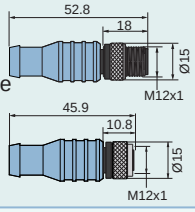
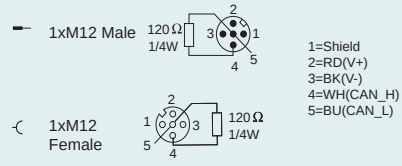
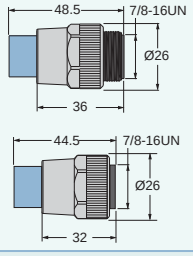
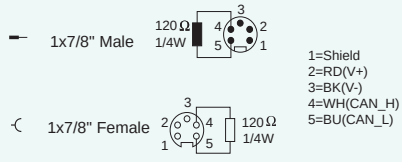
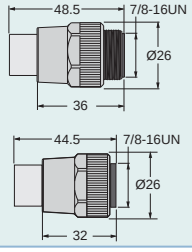
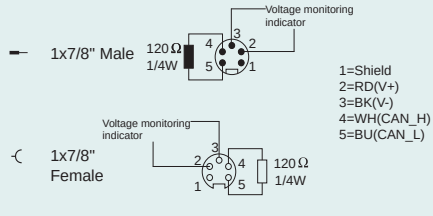


Circuit diagram



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T type and terminating resistors	Type NO.	ID NO.	Pinout
DeviceNET T type 	MNZ5-2MNK5	10082000	 1=Shield 2=RD(V+) 3=BK(V-) 4=WH(CAN_H) 5=BU(CAN_L) 1x7/8" Male 2x7/8" Female
DeviceNET T type 	MNZ5-ENK5-MNK5	10082001	 1=Shield 2=RD(V+) 3=BK(V-) 4=WH(CAN_H) 5=BU(CAN_L) 1x 7/8" Male 1xM12 Female 1x 7/8" Female
DeviceNET Splitter 	ENZ5-2ENK5-V	10082003	 1=Shield 2=RD(V+) 3=BK(V-) 4=WH(CAN_H) 5=BU(CAN_L) 2xM12 Female 1xM12 Male
Terminating resistor M12x1 Male M12x1 Female 	ENZ5-TR ENK5-TR	10085010 10085011	 1xM12 Male 1xM12 Female 1=Shield 2=RD(V+) 3=BK(V-) 4=WH(CAN_H) 5=BU(CAN_L)
Terminating resistor 7/8" Male 7/8" Female 	MNZ5-TR MNK5-TR	10085020 10085021	 1x7/8" Male 1x7/8" Female 1=Shield 2=RD(V+) 3=BK(V-) 4=WH(CAN_H) 5=BU(CAN_L)
Terminating resistor with light 7/8" Male 7/8" Female 	MNZ5-TR/VM MNK5-TR/VM	10085025 10085022	 1x7/8" Male 1x7/8" Female Voltage monitoring indicator 1=Shield 2=RD(V+) 3=BK(V-) 4=WH(CAN_H) 5=BU(CAN_L)

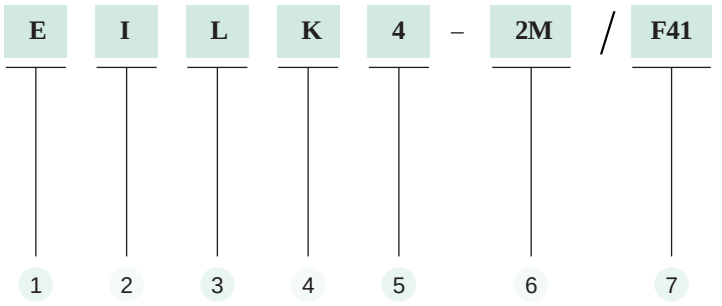
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Ethernet™ connector

M12x1 Pre-moulding connector



1 E M12x1 Connector

2 I Ethernet

3 L Right angle
Blank Straight

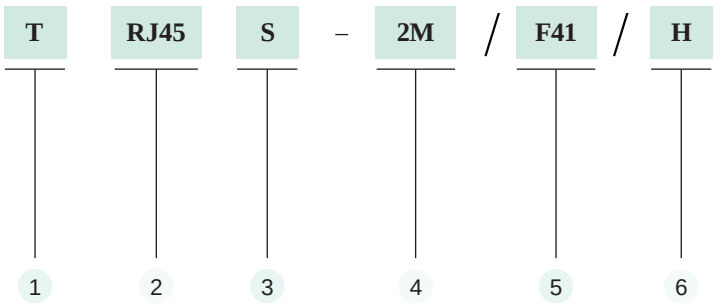
4 K Female
Z Male

5 Number of pins
Contact distribution

6 Length [m]

7 Cable Jacket
F40/F41/F42/F43/F410
E40/E41/E42/E43/E45
F20/F21/F23

RJ45 Preset Connector



1 T Right angle, Buckle up
B Right angle, Buckle down
C Straight, Screw cordset

2 RJ45 Ethernet

3 S Shielded
Blank Unshielded

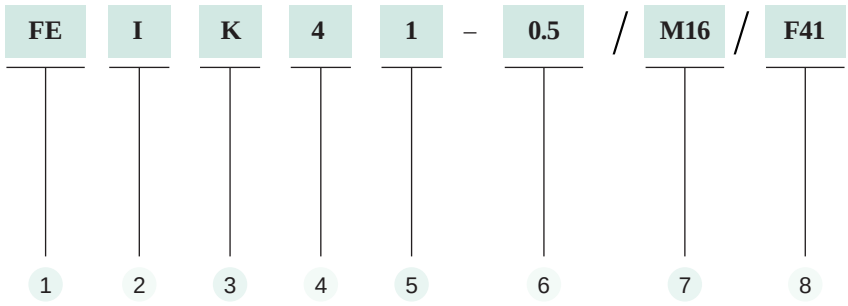
4 Length [m]

5 Cable Jacket
F41/F410
E41/E45
F21/F23

6 Field wireable connector

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Receptacle



1 FE M12x1 receptacle

2 I Ethernet

3 K Female
Z Male

4 Number of pins
Contact distribution

5 Termination（mounting style）
1 Rear mount
2 Front moumt

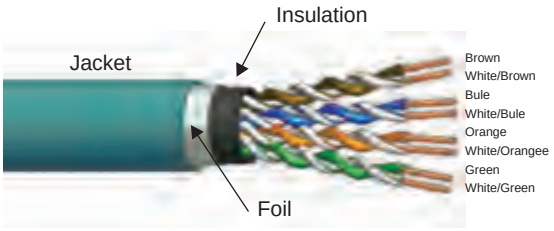
6 Length [m]

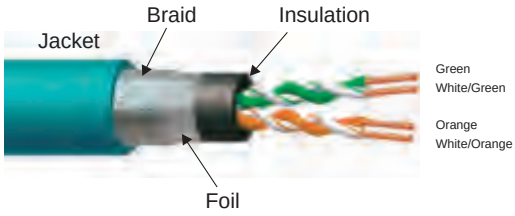
7 Thread Type（connection thread)
M8
M16
Blank PG9

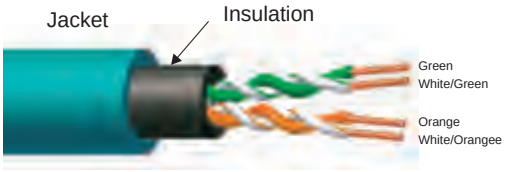
8 Cable Jacket
F41/F410
E41/E45
F21/F23

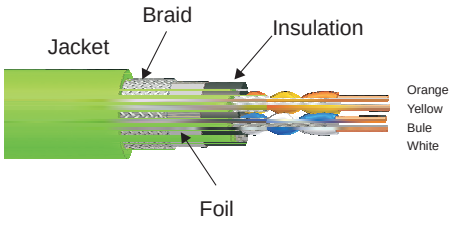
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Ethernet Cable Type





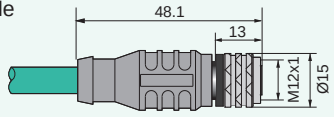
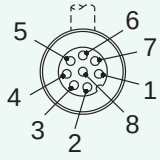
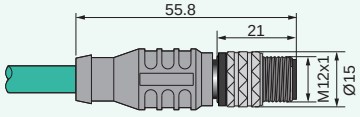
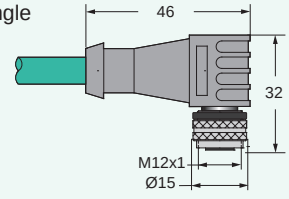
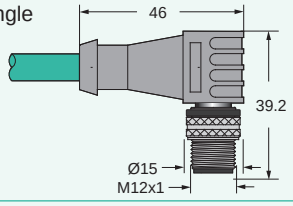
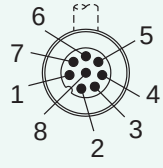
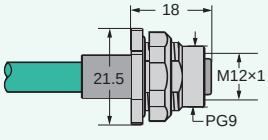
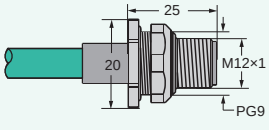




Cable Type NO.	Authentication	Data parameter		Jacket	Shield	Suffix code
		Cable parameters	DC resistance per 100 inch	Material、Colour 、Outer diameter		
CS082491-*M	NECCMR(ETL) CECC(ETL)	8*0.25mm²	28.6 Ohms PE	FRNC Teal 7.5mm	Foil/Braid	E41 75°C 300 Volts
CS082690-*M	TSB-36 ISO/IEC11801	8*0.14mm²	28.6 Ohms PE	TPU Teal 6.3mm	Foil/Braid	E45 50°C 125 Volts
CS042492-*M	NECCMR(ETL) CECC(ETL)	4*0.25mm²	28.6 Ohms PE	FRNC Teal 5.6mm	Foil/Braid	F41 75°C 300 Volts
CS042690-*M	TSB-36 ISO/IEC11801	4*0.14mm²	37.3 Ohms PE	TPU Teal 6.1mm	Foil/Braid	F410 50°C 124 Volts
CS042290-*M	NECCMR(ETL) CECC(ETL)	4*0.34mm²	13.8 Ohm	PVC Teal 6.5mm	Foil/Braid	F21 60°C 300 Volts
CS042292-*M	IEC60332-1 DINEN60811-2-1	4*0.34mm²	16.2 Ohm	TPU Teal 6.5mm	Foil/Braid	F23 70°C 600 Volts

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Connector	Type NO.	ID NO.	Pinout
M12 Pre-moulding Straight Female 	EIK8-2M/E41 EIK8-5M/E41 EIK8-10M/E41	10017100 10017101 10017102	Female 
M12 Pre-moulding Straight Male 	EIZ8-2M/E41 EIZ8-5M/E41 EIZ8-10M/E41	10017105 10017106 10017107	
M12 Pre-moulding Right angle Female 	EILK8-2M/E41 EILK8-5M/E41 EILK8-10M/E41	10017110 10017111 10017112	1.WH/BU 2.WH/BN 3.BN 4.OR 5.WH/GN 6.WH/OR 7.BU 8.GN
M12 Pre-moulding Right angle Male 	EILZ8-2M/E41 EILZ8-5M/E41 EILZ8-10M/E41	10017115 10017116 10017117	Male 
M12 Receptacle Female 	FEIK81-2M/E41 FEIK81-5M/E41 FEIK81-10M/E41	10017375 10017376 10017377	
M12 Receptacle Male 	FEIZ81-2M/E41 FEIZ81-5M/E41 FEIZ81-10M/E41	10017380 10017381 10017382	

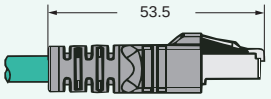
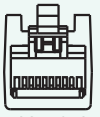
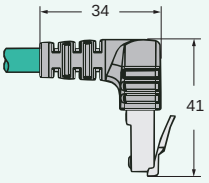
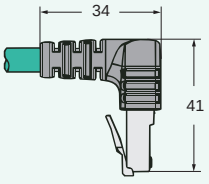
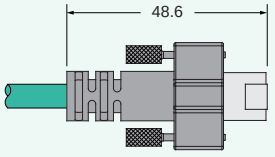
* Standard cable lengths are 2/5/M, Consult factory for other lengths
** The naming rule of double-ended connector is male afte female , flange after pre-moulding ,angles after straight.

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8pins Ethernet/IP、Modbus™TCP premoulding connector



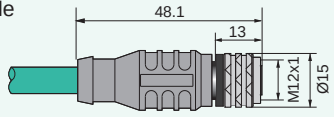
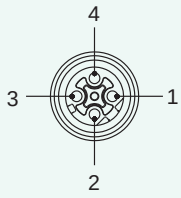
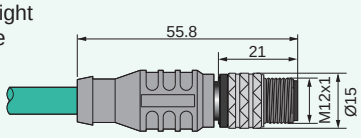
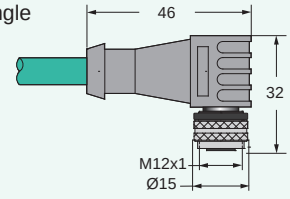
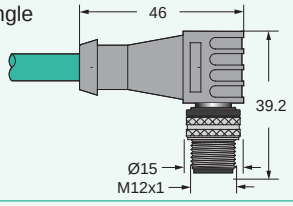
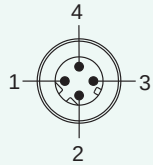
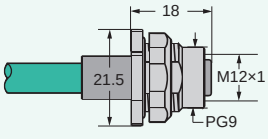
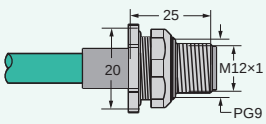


Connector	Type NO.	ID NO.	Pinout
RJ45 straight 	RJ45S-2M/E41 RJ45S-5M/E41 RJ45S-10M/E41	10250000 10250001 10250002	 12345678 Standard 1.WH/OR 2.OR 3.WH/GN 4.BU 5.WH/BU 6.GN 7.WH/BN 8.BN Cross 1.WH/GN 2.GN 3.WH/OR 4.BU 5.WH/BU 6.OR 7.WH/BN 8.BN *Cross type: RJ45S-*M/E41-CR TRJ45S-*M/E41-CR BRJ45S-*M/E41-CR CRJ45S-*M/E41-CR
RJ45 right angle Buckle up 	TRJ45S-2M/E41 TRJ45S-5M/E41 TRJ45S-10M/E41	10250010 10250011 10250012	
RJ45 right angle Buckle down 	BRJ45S-2M/E41 BRJ45S-5M/E41 BRJ45S-10M/E41	10250200 10250201 10250202	
RJ45 straight Screw cordset 	CRJ45S-2M/E41 CRJ45S-5M/E41 CRJ45S-10M/E41	10250330 10250331 10250332	

* Standard cable lengths are 2/5/M, Consult factory for other lengths
** The naming rule of double-ended connector is male afte female , flange after pre-moulding ,angles after straight.

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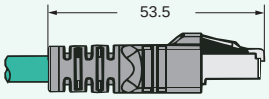
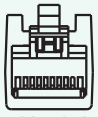
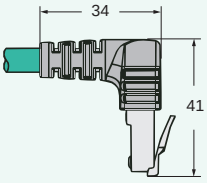
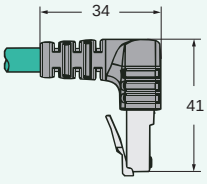
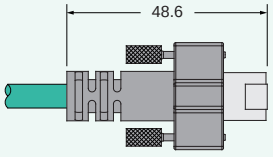
Connector	Type NO.	ID NO.	Pinout
M12 Pre-moulding Straight Female 	EIK4-2M/F41 EIK4-5M/F41 EIK4-10M/F41	10017210 10017211 10017212	Female 
M12 Pre-moulding Straight Male 	EIZ4-2M/F41 EIZ4-5M/F41 EIZ4-10M/F41	10017215 10017216 10017217	
M12 Pre-moulding Right angle Female 	EILK4-2M/F41 EILK4-5M/F41 EILK4-10M/F41	10017220 10017221 10017222	1.WH/OR(+tx) 2.WH/GN(+rx) 3.OR(-tx) 4.GN(-rx)
M12 Pre-moulding Right angle Male 	EILZ4-2M/F41 EILZ4-5M/F41 EILZ4-10M/F41	10017225 10017226 10017227	Male 
M12 Receptacle Female 	FEIK41-2M/F41 FEIK41-5M/F41 FEIK41-10M/F41	10017395 10017396 10017397	
M12 Receptacle Male 	FEIZ41-2M/F41 FEIZ41-5M/F41 FEIZ41-10M/F41	10017400 10017401 10017402	

* Standard cable lengths are 2/5/M, Consult factory for other lengths
** The naming rule of double-ended connector is male afte female , flange after pre-moulding ,angles after straight.

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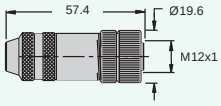
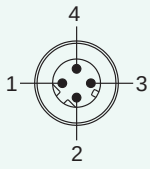
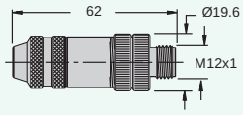
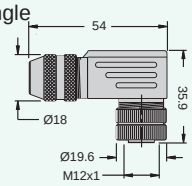
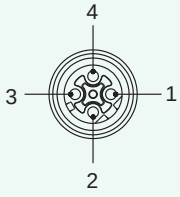
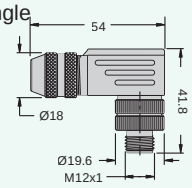
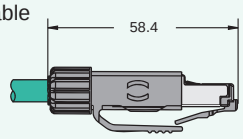
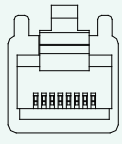


Connector	Type NO.	ID NO.	Pinout
RJ45 straight 	RJ45S-2M/F41 RJ45S-5M/F41 RJ45S-10M/F41	10250040 10250041 10250042	 12345678 Standard 1.WH/OR 2.OR 3.WH/GN 4.N/C 5.N/C 6.GN 7.N/C 8.N/C Cross 1.WH/GN 2.GN 3.WH/OR 4.N/C 5.N/C 6.OR 7.N/C 8.N/C *Cross type:: RJ45S-*M/F41-CR TRJ45S-*M/F41-CR BRJ45S-*M/F41-CR CRJ45S-*M/F41-CR
RJ45 right angle Buckle up 	TRJ45S-2M/F41 TRJ45S-5M/F41 TRJ45S-10M/F41	10250050 10250051 10250052	
RJ45 right angle Buckle down 	BRJ45S-2M/F41 BRJ45S-5M/F41 BRJ45S-10M/F41	10250060 10250061 10250062	
RJ45 straight Screw cordset 	CRJ45S-2M/F41 CRJ45S-5M/F41 CRJ45S-10M/F41	10250327 10250328 10250329	

* Standard cable lengths are 2/5/M, Consult factory for other lengths
** The naming rule of double-ended connector is male afte female , flange after pre-moulding ,angles after straight.

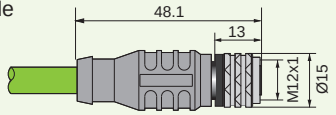
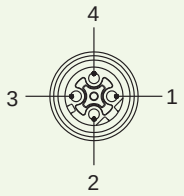
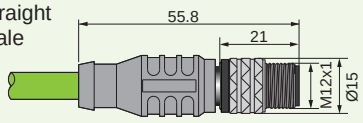
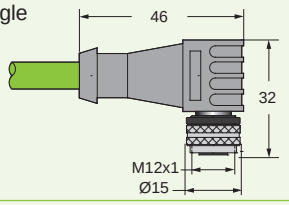
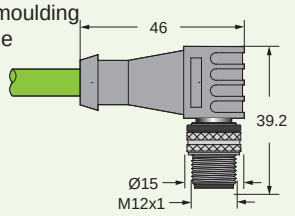
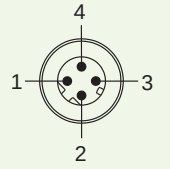
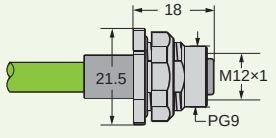
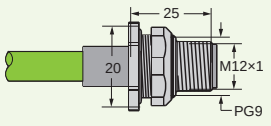
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Connector	Type NO.	ID NO.	Features	Pinout
M12 Straight Female 	EK4238-0/9	10091220	4A,250V,-40 ~ +85°C Match with 4-pin D-coded M12 pre-moulding/ receptacle connector	Male 
M12 Straight Male 	EZ4238-0/9	10091230		
M12 Right angle Female 	ELK4238-0/9	10091221		Female 
M12 Right angle Male 	ELZ4238-0/9	10091094		
RJ45 Straight Field wirable 	RJ45/H	10091299	AWG27-AWG22 Cable parameters Cable diameter:5.5-9 mm 70°C，125V, 1.5 A 10/100Mbps	
RJ45 Straight Metal Field wirable 	RJ45/HM	10250161		
RJ45 Right angle Metal Field wirable 	RJ45/LHM	10250179		

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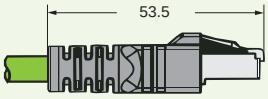
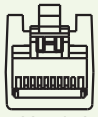
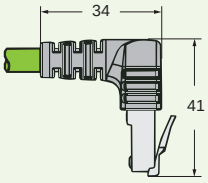
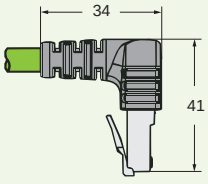
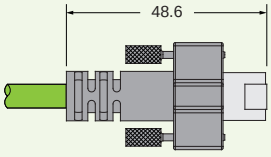
Connector	Type NO.	ID NO.	Pinout
M12 Pre-moulding Straight Female 	EIK4-2M/F21 EIK4-5M/F21 EIK4-10M/F21	10017320 10017321 10017322	Female 
M12 Pre-moulding Straight Male 	EIZ4-2M/F21 EIZ4-5M/F21 EIZ4-10M/F21	10017325 10017326 10017327	
M12 Pre-moulding Right angle Female 	EILK4-2M/F21 EILK4-5M/F21 EILK4-10M/F21	10017330 10017331 10017332	1.Yellow(+tx) 2.White(+rx) 3.Orange(-tx) 4.Blue(-rx)
M12 Pre-moulding Right angle Male 	EILZ4-2M/F21 EILZ4-5M/F21 EILZ4-10M/F21	10017335 10017336 10017337	Male 
M12 Receptacle Female 	FEIK41-2M/F21 FEIK41-5M/F21 FEIK41-10M/F21	10017415 10017416 10017417	
M12 Receptacle Male 	FEIZ41-2M/F21 FEIZ41-5M/F21 FEIZ41-10M/F21	10017420 10017421 10017422	

* Standard cable lengths are 2/5/M, Consult factory for other lengths
** The naming rule of double-ended connector is male afte female , flange after pre-moulding ,angles after straight.

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Connector	Type NO.	ID NO.	Pinout
RJ45 straight 	RJ45S-2M/F21 RJ45S-5M/F21 RJ45S-10M/F21	10250090 10250091 10250092	 12345678 1.YE 2.OR 3.WH 4.N/C 5.N/C 6.BU 7.N/C 8.N/C
RJ45 right angle Buckle up 	TRJ45S-2M/F21 TRJ45S-5M/F21 TRJ45S-10M/F21	10250100 10250101 10250102	
RJ45 right angle Buckle down 	BRJ45S-2M/F21 BRJ45S-5M/F21 BRJ45S-10M/F21	10250110 10250111 10250112	
RJ45 straight Screw cordset 	CRJ45S-2M/F21 CRJ45S-5M/F21 CRJ45S-10M/F21	10250397 10250398 10250399	

* Standard cable lengths are 2/5/M, Consult factory for other lengths
** The naming rule of double-ended connector is male afte female , flange after pre-moulding ,angles after straight.

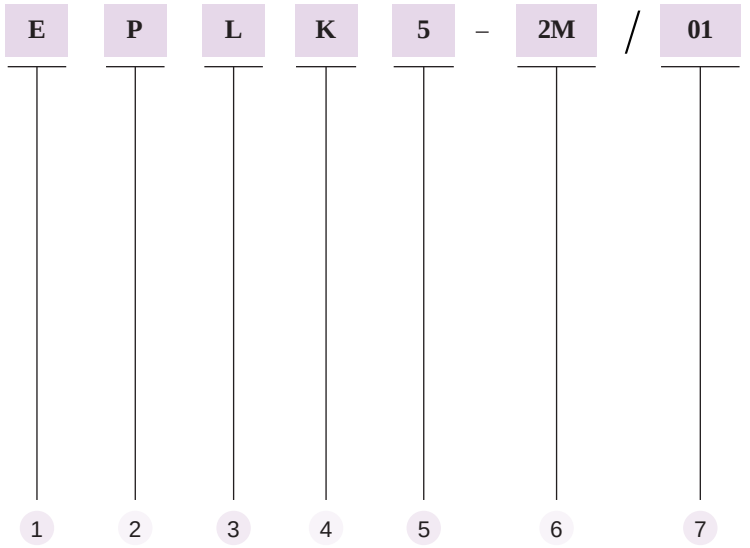
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Profibus-DP™ connector

Profibus-DP Bus connector part number key



1 E M12x1 Connector

2 P Profibus-DP

3 L Right angle
Blank Straight

4 K Female
Z Male

5 Number of pins
Contact distribution
1 N/C
2 GN(Bus A)
3 N.C
4 RD(Bus B)
5 N/C

6 Length [m]

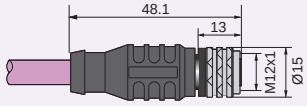
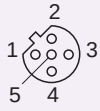
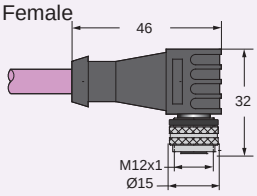
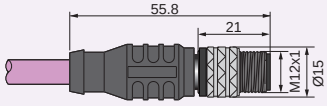
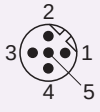
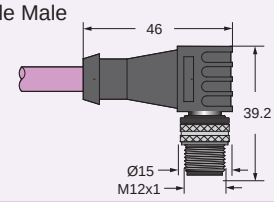
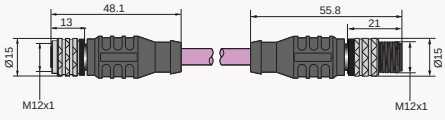
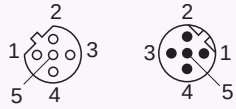
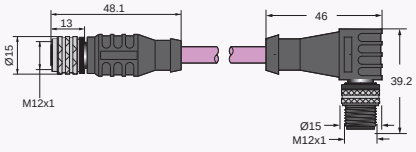
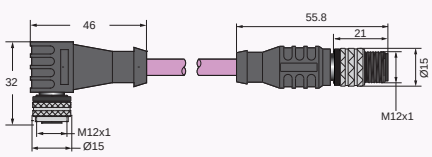
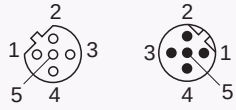
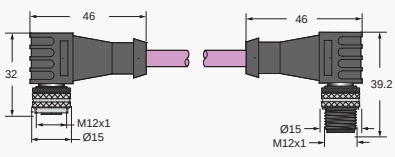
7 Cable Jacket

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M12 Profibus-DP Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- Cable sheath:TPU/Purple
- Insulated wire core material:PE
- IP degree:IP68
- Rated current:4A
- Rated voltage:250V
- insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+75℃
- Mechanical operation:≥100



Pre-moulding connector	Type NO.	ID NO.	Pinout
Straight Female EPK..** 	EPK5-2M EPK5-5M EPK5-10M	10012000 10012001 10012002	Female  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
Right angle Female EPLK..** 	EPLK5-2M EPLK5-5M EPLK5-10M	10012010 10012011 10012012	
Straight Male EPZ..** 	EPZ5-2M EPZ5-5M EPZ5-10M	10012020 10012021 10012022	Male  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
Right angle Male EPLZ..** 	EPLZ5-2M EPLZ5-5M EPLZ5-10M	10012030 10012031 10012032	
	EPK5 EPZ5-2M EPK5 EPZ5-5M EPK5 EPZ5-10M	10012040 10012041 10012042	Female Male  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
	EPK5 EPLZ5-2M EPK5 EPLZ5-5M EPK5 EPLZ5-10M	10012050 10012051 10012052	
	EPLK5 EPZ5-2M EPLK5 EPZ5-5M EPLK5 EPZ5-10M	10012060 10012061 10012062	Female Male  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
	EPLK5 EPLZ5-2M EPLK5 EPLZ5-5M EPLK5 EPLZ5-10M	10012070 10012071 10012072	

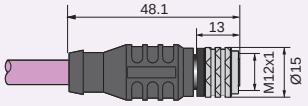
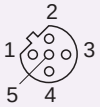
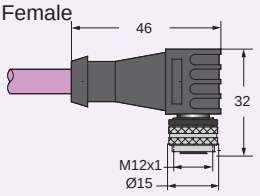
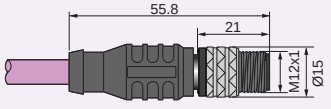
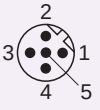
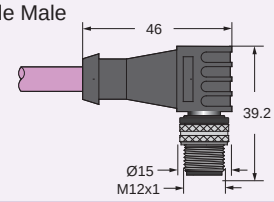
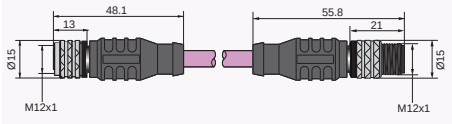
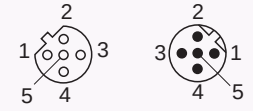
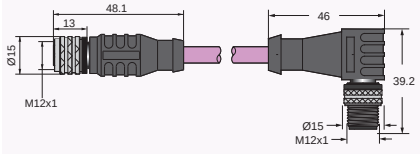
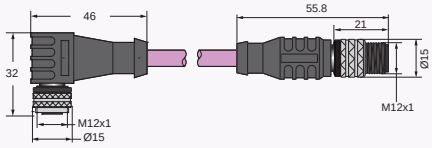
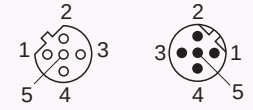
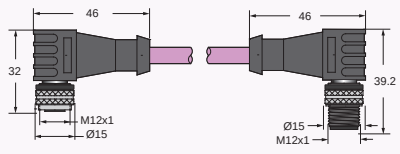
* Standard cable lengths are 2/5/10M, Consult factory for other lengths
** Standard coupling nut material is nickel plated brass
***Cable Type NO.:CS022280-*M

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M12 Profibus-DP Pre-moulding connector

- Plug body:TPU/Black
- Coupling nut:Brass/Nickel
- Contact carrier:TPU/Black
- Pin:Brass/Gold
- O-ring:FPM/FKM
- Cable sheath:TPU/Purple
- Insulated wire core material:PE
- IP degree:IP68
- Rated current:4A
- Rated voltage:250V
- insulation resistance:≥10^9 Ω
- Forward resistance:≤5mΩ
- Pollution degree:3
- Temperature range:-40...+75℃
- Mechanical operation:≥100

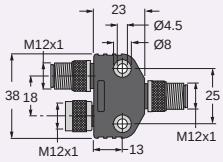
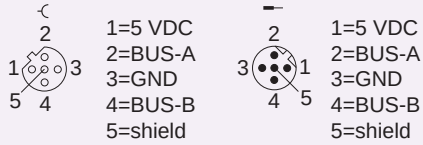
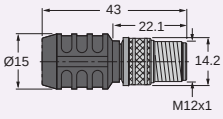
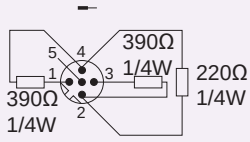
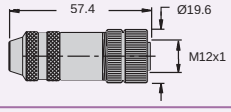
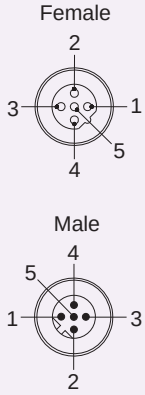
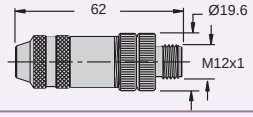
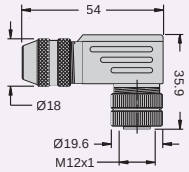
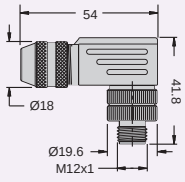


Pre-moulding connector	Type NO.	ID NO.	Pinout
Straight Female EPK..** 	EPK5-2M/01 EPK5-5M/01 EPK5-10M/01	10012500 10012501 10012502	Female  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
Right angle Female EPLK..** 	EPLK5-2M/01 EPLK5-5M/01 EPLK5-10M/01	10012510 10012511 10012512	
Straight Male EPZ..** 	EPZ5-2M/01 EPZ5-5M/01 EPZ5-10M/01	10012520 10012521 10012522	Male  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
Right angle Male EPLZ..** 	EPLZ5-2M/01 EPLZ5-5M/01 EPLZ5-10M/01	10012530 10012531 10012532	
	EPK5 EPZ5-2M/01 EPK5 EPZ5-5M/01 EPK5 EPZ5-10M/01	10012540 10012541 10012542	Female Male  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
	EPK5 EPLZ5-2M/01 EPK5 EPLZ5-5M/01 EPK5 EPLZ5-10M/01	10012550 10012551 10012552	
	EPLK5 EPZ5-2M/01 EPLK5 EPZ5-5M/01 EPLK5 EPZ5-10M/01	10012560 10012561 10012562	Female Male  1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.N/C
	EPLK5 EPLZ5-2M/01 EPLK5 EPLZ5-5M/01 EPLK5 EPLZ5-10M/01	10012570 10012571 10012572	

* Standard cable lengths are 2/5/10M, Consult factory for other lengths
** Standard coupling nut material is nickel plated brass
***Cable Type NO.:CS022280-*M

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Accessories	Type NO.	ID NO.	Pinout
Profibus-DP Splitter 	EPK5-2EPZ5-V	10081001	 1=5 VDC 2=BUS-A 3=GND 4=BUS-B 5=shield 1xM12 Female 2xM12 Male
Profibus-DP Termination resistors 	EPZ5-TR	10085000	 1=5 VDC 2=BUS-A 3=GND 4=BUS-B 5=shield 1xM12 Male
M12 Straight Female 	EK5228-0/9	10091200	4A,250V,-40 ~ +85°C Match with 4-pin D-coded M12 pre-moulding/ receptacle connector 
M12 Straight Male 	EZ5228-0/9	10091210	
M12 Right angle Female 	ELK5228-0/9	10091201	
M12 Right angle Male 	ELZ5228-0/9	10091211	

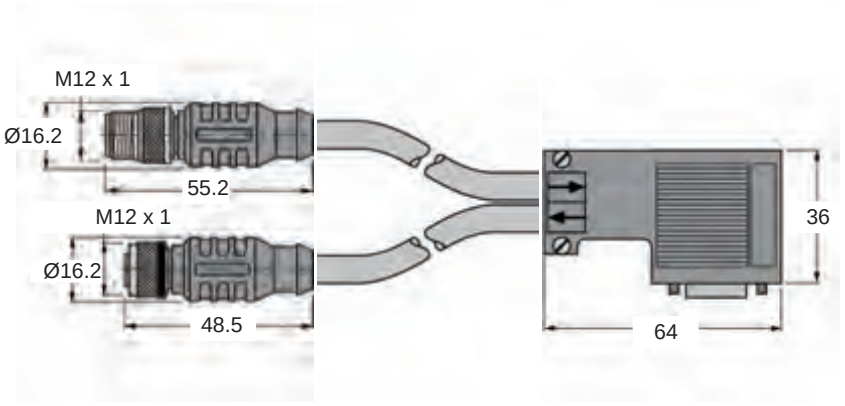
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Profibus-DP D9T Points 2- M12 connectors

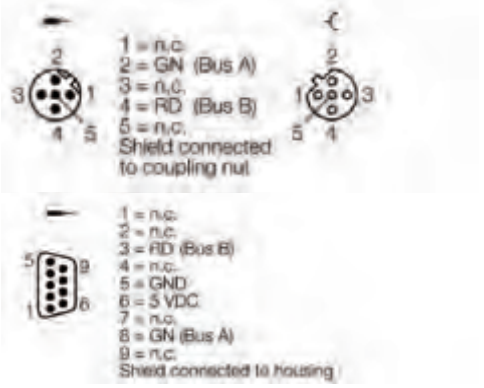
- D9T connector protection degree:IP20
- M12 connector protection degree:IP67
- Price advantage,compared with the scheme which splitter work in with double pre-moulding connector

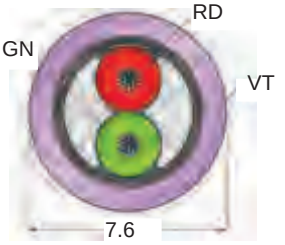
Type NO.	Features
D9T-EPK5-EPZ5-1.5M-1.5M/01	PUR,MAX250V,4A,Stationary state -60°to+95°C,Motion state -25°to+60°C, Wire guage: 2x0.34mm² Cable sheath material:PUR, Cable insulation material:PE,Shielded type:Braid,Foil Bend radius:5D(Stationary state),10D(Motion state), length,And M12 connector type is customized according to customer demand

Length is customized according to specific application environment



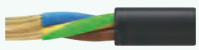
Pinout



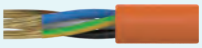
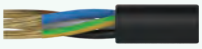
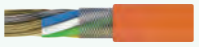
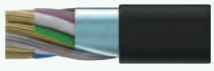
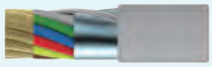


* Standard cable lengths are 2/5/M, Consult factory for other lengths ** Standard coupling nut material is nickel plated brass

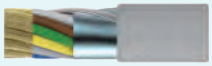
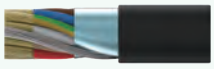
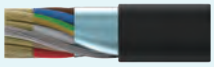
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Cable	Type NO.	NO. Of Cond	Cross Section (mm^2)	Jacket characteristics	Cable Color	Shield	Operating Temperature (°C)	Type Code	ID NO.
	CS022201-*M	2	2*0.34	Ø5.2mm / BU PVC / PVC	BN,BU	No	90 -30	/ P00	58050231
	CS022202-*M	2	2*0.34	Ø5.2mm / BK PVC / PVC	BU,BK	No	90 -30	/ P00	58097231
	CS032401-*M	3	3*0.25	Ø4.4mm / BK PUR / PVC	BN,BU,BK	No	90 -30	/ P10	58035351
	CS032200-*M	3	3*0.34	Ø5.2mm / BK PVC / PVC	BN,BU,BK	No	90 -30	/ P00	58005351
	CS032201-*M	3	3*0.34	Ø5.2mm / OR Irradiated PVC / PVC	BN,BU,BK	No	90 -30	/ P01	58004241
	CS032202-*M	3	3* 0.34	Ø5.2mm / BK PUR / PVC	BN,BU,BK	No	90 -30	/ P10	58620351
	CS032203-*M	3	3*0.34	Ø5.2mm / YE PUR / PUR Halogen-free, high flex	BN,BU,BK	No	90 -30	/ P11	58003231
	CS032210-*M	3	3*0.34	Ø5.2mm / BK PVC / PVC shield	BN,BU,BK,Drain	Foil/Drain	90 -30	/ S10	58540351
	CS032211-*M	3	3*0.34	Ø5.2mm / GY PVC / PVC	BN,BU,BK	No	90 -30	/ P00	58000351
	CS031800-*M	3	3* 0.75	Ø6.0mm / BK PVC / PVC	BN,BU,BK	No	90 -30	/ P00	58020251
	CS031801-*M	3	3* 0.75	Ø6.0mm / BK PVC / PVC	BN,BU,GN/YE	No	90 -30	/ P00	58099351
	CS031700-*M	3	3* 1	Ø6.0mm / BK PUR / PVC	BN,BU,GN/YE	No	90 -30	/ P00	
	CS042400-*M	4	4*0.25	Ø4.4mm / BK PUR / PVC	BN,BU,BK,WH	No	90 -30	/ P10	58041351
	CS042204-*M	4	4*0.34	Ø4.8mm / BK PUR / PVC	BN,BU,BK,WH	No	90 -30	/ P10	58019231
	CS042203-*M	4	4*0.34	Ø5.2mm / BU PVC / PVC	BN,BU,BK,WH	No	90 -30	/ P00	58019251
	CS042200-*M	4	4*0.34	Ø5.2mm / BK PVC / PVC	BN,BU,BK,WH	No	90 -30	/ P00	58015351
	CS042205-*M	4	4* 0.34	Ø5.2mm / BK PVC/PVC	BN,BU,BK,WH Drain(20)	Foil/Drain	90 -30	/ S10	58016251

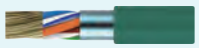
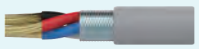
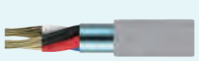
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Cable	Type NO.	NO. Of Cond	Cross Section (mm^2)	Jacket characteristics	Cable Color	Shield	Operating Temperature (°C)	Type Code	ID NO.
	CS042201-*M	4	4*0.34	Ø5.2mm / OR Irradiated PVC / PVC	BN,BU,BK,WH	No	90 -30	/ P01	58014241
	CS042202-*M	4	4*0.34	Ø5.2mm / BK PUR / PVC	BN,BU,BK,WH	No	90 -30	/ P10	58017251
	CS042210-*M	4	4*0.34	Ø5.2mm / BK PVC / PVC shield	BN,BU,BK,WH Drain	Foil/Drain	90 -30	/ S10	58016251
	CS042211-*M	4	2*0.34 2*0.25	Ø5.2mm / YE PUR / TPE Halogen-free, high flex	BN,BU,BK,WH	Foil/Drain	90 -30	/ P30	
	CS042212-*M	4	4*0.34	Ø5.2mm / YE PUR / PUR Halogen-free, high flex	BN,BU,BK,WH	No	90 -30	/ P11	58013231
	CS052200-*M	5	5* 0.34	Ø5.2mm / BK PVC / PVC	BN,BU,BK,WH,GY	No	90 -30	/ P00	58610351
	CS052010-*M	5	4*0.34 1* 0.5	Ø5.2mm / OR Irradiated PVC / PVC	BN,BU,BK,WH GN/YE	No	90 -30	/ P01	58026251
	CS052011-*M	5	4*0.34 1*0.5	Ø5.2mm / BK PVC / PVC	BN,BU,BK,WH GN/YE	No	90 -30	/ P00	58078351
	CS062410-*M	6	6*0.25	Ø5.6mm / BK PVC / PVC	BN,BU,BK, WH,GY,PK	Foil	90 -30	/ S10	58061351
	CS082600-*M	8	8*0.14	Ø6.2mm / OR PUR / PVC	BN,BU,WH,GN, YE,GY,RD,PK	Braid/Drain	120 -30	/ S120	58640351
	CS082400-*M	8	8*0.25	Ø6.2mm / BK PVC / PVC	BN,BU,WH,GN, YE,GY,RD,PK	No	90 -30	/ P00	58045351
	CS082410-*M	8	8* 0.25	Ø6.2mm / BK PVC / PVC	BN,BU,WH,GN, YE,GY,RD,PK	Foil	90 -30	/ S10	58093351
	CS102000-*M	10	2*0.5 8*0.25	Ø8.0mm / BK PUR / PVC	BU,GN,PK,BK,BN, YE,GY,RD,WH,VT	No	90 -30	/ P10	58430351
	CS111801-*M	11	3*0.75 8*0.34	Ø10.5mm /BK PVC / PVC	GY,RD/BU,GN,BU GY/PK,WH/GN GN/YE,BN/GN WH,YE,BN,Drain(20)	Foil/Drain	90 -30	/ S10	58096351
	CS111802-*M	11	3*0.75 8*0.34	Ø10.5mm /GY PVC / PVC	GY,RD/BU,GN,BU GY/PK,WH/GN GN/YE,BN/GN WH,YE,BN,Drain(20)	Foil/Drain	90 -30	/ S10	
	CS121800-*M	12	12*0.75	Ø10.5mm /BK PVC / PVC	BN,BU,WH,GN/YE OG,YE,GY,PK,RD BN/WH,BU/WH GN/WH,Drain(20)	Foil/Drain	90 -30	/ S10	58412351
	CS122200-*M	12	12* 0.25	Ø7.3mm /BK PVC / PVC	WH,BN,GN,YE,GY, PK,BU,RD,OG,TN, BK,VT	Foil/Drain	90 -30	/ S10	58601351

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Cable	Type NO.	NO. Of Cond	Cross Section (mm^2)	Jacket characteristics	Cable Color	Shield	Operating Temperature (°C)	Type Code	ID NO.
	CS132200-*M	13	13* 0.34	Ø7.3mm /GY PVC / PVC	WH,BN,GN,YE,GY, PK,BU,RD,OG,TN, BK,VT	Foil/Drain	90 -30	/ S10	
	CS192200-*M	19	3*0.75 16*0.34	Ø10.7mm / BK PVC / PVC	(18=BN,BU,GN/YE), (22=WH,GN,YE,GY, PK,RD,BK,VT, GY/PK,RD/BU, WH/GN,BN/GN, WH/YE,YE/BN, WH/GY,GY/BN, Drain)	Foil/Drain	90 -30	/ S10	58400351
	CS192201-*M	19	3*0.75 16*0.34	Ø10.4mm / BK PUR / TPE	(18=BN,BU,GN/YE), (22=WH,GN,YE,GY, PK,RD,BK,VT, GY/PK,RD/BU, WH/GN,BN/GN, WH/YE,YE/BN, WH/GY,GY/BN, Drain)	Foil/Drain	80 -40	/ S13	58402351

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Cable	Type NO.	NO. Of Cond	Cross Section (mm^2)	Jacket characteristics	Cable Color	Shield	Operating Temperature (°C)	Type Code	ID NO.
	CS022280-*M Profibus-DP Cable	2	2*0.34	Ø7.6mm/Purple PVC / PE	RD,GN	Foil/Braid 22AWG	70 -40	Blank	58100251
	CS022281-*M Profibus-DP Cable	2	2*0.34	Ø8.5mm /Purple PUR / PE Halogen-free, high flex	RD,GN	Foil/Braid 22AWG	70 -40	/ 01	58101251
	CS042290-*M Profinet Cable	4	4*0.34	Ø6.5mm / GN PVC	WH,YE,BU,OG	Foil/Braid 22AWG	70 -40	/ F21	58102501
	CS042492-*M Ethernet Cable	4	4*0.25	Ø5.6mm / TEAL FRNC / PE	WH/GN,GN, WH/OG,OG	Foil/Braid 24AWG	70 -40	/ F41	58103501
	CS082491-*M Ethernet Cable	8	8*0.25	Ø7.5mm / TEAL FRNC / PE	WH/GN,GN,WH/OG BU,WH/BU,OG WH/BN,BN	Foil/Braid 24AWG	70 -40	/ E41	58110501
	CS042280-*M DeviceNET Thin Cable	4	4* 0.34	Ø7.2mm / GY PVC / PVC	BK,RD,BU,WH	Foil 22AWG	70 -40	/ 10	58220251
	CS042281-*M DeviceNET Thin Cable	4	4*0.34	Ø7.8mm / GY PVC / PE	BK,RD,BU,WH	Foil/Braid 22AWG	70 -40	/ 008	58221251
	CS041680-*M DeviceNET Mid Cable	4	2*1.5 2*0.5	Ø8.4mm / GY PVC / PE	BK,RD,BU,WH	Foil 20AWG	70 -40	/ 0011	58210251
	CS041780-*M DeviceNET Mid Cable	4	2*1.5 2*0.5	Ø8.4mm / GY PUR / PE	BK,RD,BU,WH	Foil 20AWG	70 -40	/ 0023	58211251
	CS041580-*M DeviceNET Thick Cable	4	2*1.65 2*0.75	Ø11.0mm / GY PVC / PE	BK,RD,BU,WH	Foil/Braid 18AWG	70 -40	Blank	58200251
	CS041690-*M Power Cable	4	4*1.5	Ø7.8mm / BK PVC / PVC	BK,WH,RD,GN	No	70 -40	Blank	58315351
	CS041691-*M Power Cable	4	4*1.31	Ø11.0mm / YE PVC /PVC	BK,WH,RD,GN	No	70 -40	/ 20	58301351
	CS041692-*M Power Cable	4	4*1.5	Ø8.7mm / YE PVC / PVC high flex	BK,WH,RD,GN	No	70 -40	/ 21	58318352
	CS051690-*M Power Cable	5	5*1.5	Ø8.7mm / BK PVC/ PVC	BK,BU,GN/YE BN,WH	No	70 -40	Blank	58311351

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Wiring Instructions

The correct wiring can greatly extend the life of the cable, to ensure the smooth operation of the production line, reducing downtime. Here are some common cabling requirements, providing a simple and effective solution.

Proper Bending redius of the cable

Minium bending radius for Fixed application
Standard cable=5×Cable diameter



Minium bending radius for Moving application
Standard cable=10×Cable diameter



Wiring Instruction

Correct



In correct



Correct



In correct



Correct



In correct



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Professional customization

GSEE-TECH seriously investigate the charactristic of each industry. According to customer special requirement, we produce customized connectors to help customers optimizing their design and saving the cost. The targets are making the whole system safe, stable and efficient.

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Type NO.	ID NO.	Page number
BRJ45S-10M/E41	10250202	I05
BRJ45S-10M/F21	10250112	J02
BRJ45S-10M/F41	10250062	I07
BRJ45S-2M/E41	10250200	I05
BRJ45S-2M/F21	10250110	J02
BRJ45S-2M/F41	10250060	I07
BRJ45S-5M/E41	10250201	I05
BRJ45S-5M/F21	10250111	J02
BRJ45S-5M/F41	10250061	I07
CRJ45S-10M/E41	10250332	I05
CRJ45S-10M/F21	10250399	J02
CRJ45S-10M/F41	10250329	I07
CRJ45S-2M/E41	10250330	I05
CRJ45S-2M/F21	10250397	J02
CRJ45S-2M/F41	10250327	I07
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DNK14-10-2M/P00	10100100	D04
DNK14-10-5M/P00	10052335	D04
DNK14-14-10M/P00	10100152	D05
DNK14-14-2M/P00	10100150	D05
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DNK6-4-2M/P00	10100000	D03
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DNK6-6-2M/P00	10100050	D03
DNK6-6-5M/P00	10100051	D03
DNK8-8-10M/P00	10100114	D04
DNK8-8-2M/P00	10100112	D04
DNK8-8-5M/P00	10100113	D04
DNLK14-10-10M/P00	10052334	D04
DNLK14-10-2M/P00	10100110	D04
DNLK14-10-5M/P00	10100111	D04
DNLK14-14-10M/P00	10100172	D05
DNLK14-14-2M/P00	10100170	D05
DNLK14-14-5M/P00	10100171	D05
DNLK6-4-10M/P00	10100012	D03
DNLK6-4-2M/P00	10100010	D03
DNLK6-4-5M/P00	10100011	D03
DNLK6-6-10M/P00	10100062	D03
DNLK6-6-2M/P00	10100060	D03
DNLK6-6-5M/P00	10100061	D03
DNLK8-8-10M/P00	10100117	D04
DNLK8-8-2M/P00	10100115	D04
DNLK8-8-5M/P00	10100116	D04
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DWLZ14-14-5M/P00	10100211	D05
DWLZ6-4-10M/P00	10100032	D03
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DWLZ6-6-2M/P00	10100080	D03
DWLZ6-6-5M/P00	10100081	D03
DWLZ8-8-10M/P00	10100067	D04
DWLZ8-8-2M/P00	10100108	D04
DWLZ8-8-5M/P00	10100109	D04

Type NO.	ID NO.	Page number
DWZ14-10-10M/P00	10100119	D04
DWZ14-10-2M/P00	10100120	D04
DWZ14-10-5M/P00	10100118	D04
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