

Profibus-DP^{MT} Connector



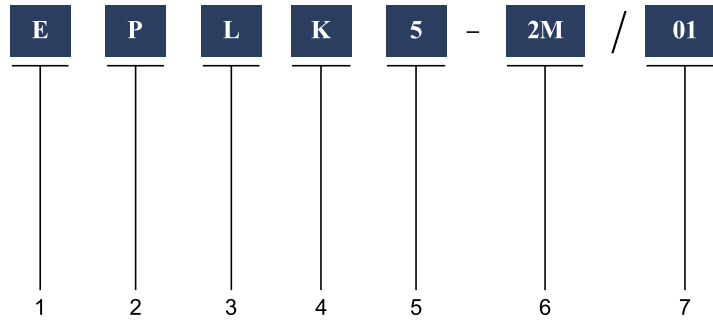
Profibus-DP
Profibus-DP
Profibus-DP



Profibus-DP
Profibus-DP

Profibus-DP Bus connector part number key

Profibus-DP Bus M12 Pre-moulding connector



1 E M12x1 Connector

2 P Profibus-DP

3 L Right angle
Blank Straight

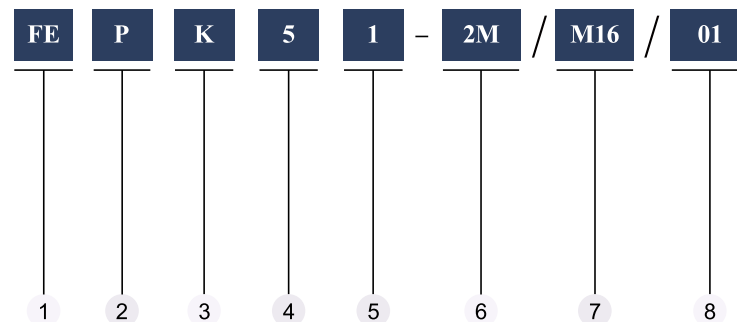
4 K Female
Z Male

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

6 Length [m]

7 Cable Jacket
Blank PVC fixed application
01 PUR drag chain

Profibus-DP Bus M12 Receptacle connector



1 FE M12x1 Receptacle
connector

2 P Profibus-DP

3 K Female
Z Male

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

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

6 Length [m]

7 Thread Type (Connection thread)
Blank PG9
M16 M16*1.5

8 Cable Jacket
Blank PVC fixed application
01 PUR drag chain

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:PVC/Purple
- Insulated wire core material:PE
- IP degree:IP67
- Rated current:4A
- Rated voltage:250V
- insulation resistance: $\geq 10^9 \Omega$
- Forward resistance: $\leq 5m\Omega$
- Pollution degree:3
- Temperature range:-40...+75 °C
- Mechanical operation: ≥ 100



Connector	Type NO.	ID NO.	Pinout
Straight Female EPK...** 	EPK5-2M EPK5-5M EPK5-10M	10012000 10012012 10012014	Female
Right angle Female EPLK...** 	EPLK5-2M EPLK5-5M EPLK5-10M	10012010 10012154 10012084	
Straight Male EPZ...** 	EPZ5-2M EPZ5-5M EPZ5-10M	10012020 10012025 10012026	Male
Right angle Male EPLZ...** 	EPLZ5-2M EPLZ5-5M EPLZ5-10M	10012030 10012155 10012533	
	EPK5 EPZ5-2M EPK5 EPZ5-5M EPK5 EPZ5-10M	10012040 10012041 10012049	Female Male
	EPK5 EPLZ5-2M EPK5 EPLZ5-5M EPK5 EPLZ5-10M	10012050 10012534 10012535	
	EPLK5 EPZ5-2M EPLK5 EPZ5-5M EPLK5 EPZ5-10M	10012060 10012565 10012566	Female Male
	EPLK5 EPLZ5-2M EPLK5 EPLZ5-5M EPLK5 EPLZ5-10M	10012070 10012100 10012107	

* 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

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:PUR/Purple
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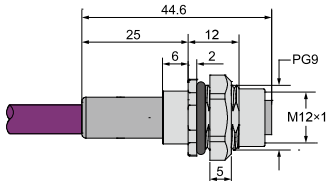
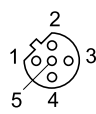
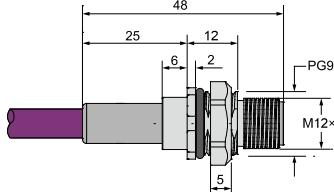
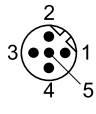
Connector	Type NO.	ID NO.	Pinout
Straight Female EPK..** 	EPK5-2M/01 EPK5-5M/01 EPK5-10M/01	10012500 10012501 10012502	Female
Right angle Female EPLK..** 	EPLK5-2M/01 EPLK5-5M/01 EPLK5-10M/01	10012510 10012536 10012537	
Straight Male EPZ..** 	EPZ5-2M/01 EPZ5-5M/01 EPZ5-10M/01	10012520 10012023 10012522	Male
Right angle Male EPLZ..** 	EPLZ5-2M/01 EPLZ5-5M/01 EPLZ5-10M/01	10012530 10012538 10012539	
	EPK5 EPZ5-2M/01 EPK5 EPZ5-5M/01 EPK5 EPZ5-10M/01	10012540 10012541 10012542	Female Male
	EPK5 EPLZ5-2M/01 EPK5 EPLZ5-5M/01 EPK5 EPLZ5-10M/01	10012550 10012543 10012545	
	EPLK5 EPZ5-2M/01 EPLK5 EPZ5-5M/01 EPLK5 EPZ5-10M/01	10012560 10012563 10012546	Female Male
	EPLK5 EPLZ5-2M/01 EPLK5 EPLZ5-5M/01 EPLK5 EPLZ5-10M/01	10012570 10012548 10012077	

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M12 Profibus-DP Receptacle connector

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- Contact carrier:TPU/Black
- Pin:Brass/Gold
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Connector	Type NO.	ID NO.	Pinout
<p>M12 Receptacle Female</p> 	<p>FEPK51-2M FEPK51-5M FEPK51-10M</p>	<p>10041529 10093315 10093316</p>	<p>Female</p>  <p>1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.Shield</p>
<p>M12 Receptacle Male</p> 	<p>FEPZ51-2M FEPZ51-5M FEPZ51-10M</p>	<p>10093317 10093318 10093319</p>	<p>Male</p>  <p>1.N/C 2.GN(Bus A) 3.N/C 4.RD (Bus B) 5.Shield</p>

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 ***Cable Type NO.:CS022280-*M

Profibus-DP Accessory



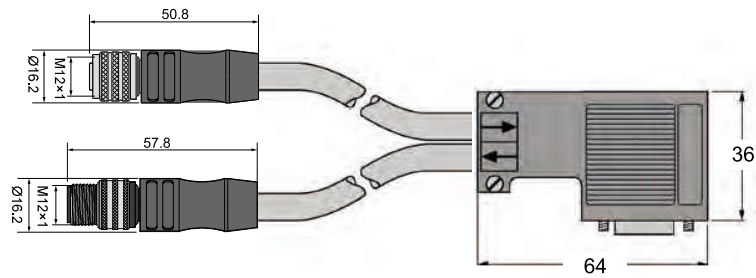
Accessories	Type NO.	ID NO.	Pinout
<p>Profibus-DP Splitter</p>	EPK5-2EPZ5-V	10081001	<p>1=5 VDC 2=BUS-A 3=GND 4=BUS-B 5=Shield</p> <p>1xM12 Female</p> <p>1=5 VDC 2=BUS-A 3=GND 4=BUS-B 5=Shield</p> <p>2xM12 Male</p>
<p>Profibus-DP Termination resistors</p>	EPZ5-TR	10085000	<p>1=5 VDC 2=BUS-A 3=GND 4=BUS-B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

Profibus-DP D9T Points 2- M12 connectors

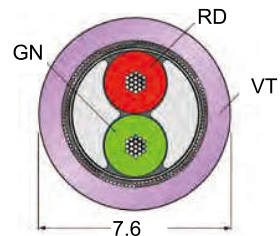
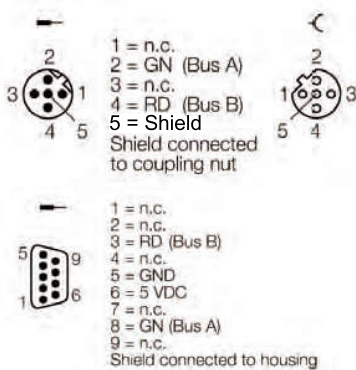
- D9T connector protection degree:IP20
- M12 connector protection degree:IP67
- Price advantage,compared with the scheme which splitter work in with double pre-moulding connector

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: 2x0.34mm ² 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



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