

## M12 female 90° B-cod. with cable shielded

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 10m

**PROFIBUS** 

Female 90°

M12, 2-pole

B-coded

shielded

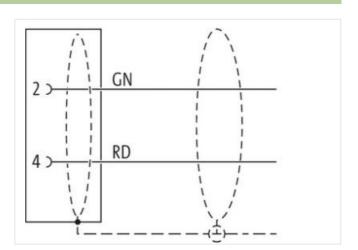
Plastic housings with good resistance against chemicals and oils.

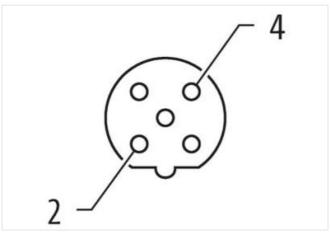
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

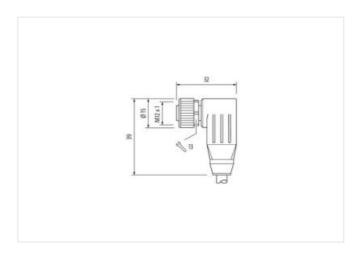
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

10 m

Side 1



stay connected

Mounting method	Tightening torque	0,6 Nm
Family construction from         M12 x 1           Thread         M12 x 1           Coding         B           Material         PUR           Width across fass         SW19           Degree of protection (EN IEC 00529)         IPD5, IPD6K, IPD7           Commercial dats         Commercial dats           ECLASS-8.0         2706307           ECLASS-8.1         2706007           ECLASS-9.0         2706007           ECLASS-1.1         2706007           ECLASS-1.2         27060007           ECLASS-1.1         270600007           ECLASS-1.1         27060007           ECLASS-1.1         27060007           ECLASS-1.1         27060007           ECLASS-1.1         27060007           ECLASS-1.2         270018000           ECLASS-1.3         270600007           ECLASS-1.2         270000007           ETIMA-D.0         6001855           CELASS-1.2	Mounting method	inserted, screwed
Coding         B           Material         PUR           Material         PUR           With across flats         SW13           Commercial data         FUR           ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27063037           ECLASS-1.1         27063037           ECLASS-1.2         27063037           ECLASS-1.3         27063037           ECLASS-1.1         27063037           ECLASS-1.2         27063037           ECLASS-1.3         27063037           ECLASS-1.0         27063037           ECLASS-1.1         27063037           ECLASS-1.2         27063037           ECLASS-1.3         27063037           ECLASS-1.4         27063037           ECLASS-1.2         27063037           ECLASS-1.3         27063037           ECLASS-1.3         27063037           ECLASS-1.1         27063037           ECLASS-1.2         27063037           ECLASS-1.3         27063037           ECLASS-1.2         27063037           E	Family construction form	M12
Material         PUR           Winth across flats         SW13           Commercial data         Commercial data           ECLASS 6.0         27061801           ECLASS 7.0         27063907           ECLASS 8.0         27063007           ECLASS 9.0         27063007           ECLASS 9.0         27063007           ECLASS 9.0         27063007           ECLASS 1.0.1         27063007           ECLASS 1.1.1         27063007           ECLASS 1.2.0         27063007           EDIMACO         60 V           Operating voltage         0.0 V           Exercised data   Supply         0.0 V           Operating voltage AC (TUL-Islaed)         0.0 V	Thread	M12 x 1
Width across files         SW13           Degree of protection (EN IEC 60529)         P68, IP68, IP67           Commercial date         P08, IP68, IP67           ECLASS 6.0         27061801           ECLASS 6.1         27060307           ECLASS 7.0         27063007           ECLASS 8.0         27063007           ECLASS 8.0         27063007           ECLASS 1.1         27063007           ECLASS 1.2         27063007           ECLASS 1.1         27063007           ECLASS 1.1         27063007           ECLASS 1.1         27063007           ETIM 5.0         ECC 4001855           COLASS 1.1         27063007           ETIM 5.0         ECCAPAST 1.0           GTIN         4048879197908           Packaging unit         1           Coperating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (PLL-Bisted)         30 V           Operating voltage AC (PLL-Bisted)         30 V           Operating voltage AC (PLL-Bisted)         30 V           Device protection   Electrical         M12 X 1           Mounting set or contact max.	Coding	В
Degree of protection (EN IEC 80529)         IP85, IP86K, IP87           Commercial data           ECLASS-6.0         27068007           ECLASS-6.1         27068007           ECLASS-9.0         27068007           ECLASS-9.0         27068007           ECLASS-9.0         27068007           ECLASS-11.1         27068007           ECLASS-12.0         27068007           ECLASS-12.0         27068007           ECLASS-10.0         E008185           customs tariff number         85444290           OTIN         448879197908           Packaging unit         1           Electrical data I Suppty         V           Operating voltage AC max.         60 V           Operating voltage AC (IL-listed)         30 V           Operating to portation of portection degree         inserted, serewed           Pollution Degree         1,5 kV <tr< td=""><td>Material</td><td>PUR</td></tr<>	Material	PUR
Commercial data         ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         27060307           ETIM-5.0         ECO01855           COUNTY         4048879197908           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage DC (ML-Ister)         30 V           Operating per contact max.         4 A           Installation Connection         MIX x 1           Device protection   Electrical         Aldional condition protection degree           Follution Degree         3           Rated surge voltage         1,5 kV	Width across flats	SW13
ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-1.1         27060307           ECLASS-1.2.0         2706307           EVELOTION OF COLOR O	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-9.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.3         27060307           ECLASS-12.0         27060307           ECLASS-12.0         E001855           customs tariff number         85444290           GTIN         404877197908           Packaging unit         1           Electrical data   Suppty           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Retail surge voltage         1,5 kV           Material surge voltage         1,5 kV           Material proper (EC 8068-1)         1           Mechanical data   Mounting data         Nickoled           Coating of listing         nickes plated           Locking m	Commercial data	
ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIM-1.5.0         ECO01855           usatioms tariff number         85444290           GTIM         4048879197908           Packaging unit         1           Electrical data   Supply         Feerafing voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Additional condition protection degree         1,5 kV           Material group (EC 00064-1)         1           Mechanical data   Material data         2           Cating of litting         nickeled           Coating of litting         nickeled           Locking material         Zinc die-casting           Mechanical data   Mounting data         Inse	ECLASS-6.0	27061801
ECLASS 9.0         27060307           ECLASS 9.0         27060307           ECLASS-10.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         127060307           ECLASS-12.0         27060307           EITM-5.0         ECOINES           customs tariff number         85444290           GTIN         4048879197908           Packaging unit         1           Electrical data   Supply         V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Post and post operating voltage AC (UL-listed)         30 V           Post and post operating voltage AC (UL-listed)         30 V           Post and post operating voltage AC (UL-listed)         30 V           Post and post operating voltage AC (UL-listed)         30 V	ECLASS-6.1	27060307
ECLASS 9.0         27060307           ECLASS 10.1         27060307           ECLASS 11.1         27060307           ECLASS 12.0         27060307           ETIMS 0         EC001835           customs farif number         8544230           GTIN         4048879197908           Packaging unt         1           Electrical data Supply         Electrical supply           Operating voltage AC max.         60 V           Operating voltage AC Musicals         60 V           Operating voltage AC (UL-listed)         30 V           Mounting set         M12 x 1           Device protection [Electrical         AA           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Related surge voltage         1,5 kV           Material group (IEC 60684-1)         1           Coating porting ting ing	ECLASS-7.0	27060307
ECLASS-10.1         27060307           ECLASS-11.2         27060307           ETIM-5.0         EC090307           ETIM-5.0         EC091855           customs tariff number         85444290           GTIN         404879197908           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Follution Degree         3           Rated surge voltage         1,5 kV           Metarial group (IEC 60684+1)         1           Mechanical data   Meterial data         Value of decasting           Metarial screw connection         Zinc die-casting           Meterial screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature mix. <td>ECLASS-8.0</td> <td>27060307</td>	ECLASS-8.0	27060307
ECLASS-11.1         27060307           ECLASS-12.0         27060307           ETIMS-0         ECO01855           customs tariff number         85444290           GTIN         4048879197908           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (IUI-listed)         30 V           Operating voltage AC (IUI-listed)         30 V           Operating voltage AC (IUI-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         Inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60864-1)         I           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking and Iting         nickel plated           Locking material         Zinc die-casting           Material Mounting	ECLASS-9.0	27060307
ECLASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff number         8544290           GTIN         4048879197908           Packaging unit         1           Electrical data   Supply         Femality voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC (UL-islect)         30 V           Operating voltage DC (UL-islect)         30 V           Current operating per contact max.         4 A           Installation   Connection         Mult x 1           Mounting set         M12 x 1           Pevice protection   Electrical         Additional condition protection degree           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature max.	ECLASS-10.1	27060307
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 404879197908 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage AC (IU-listed) 30 V Operating voltage AC (IU-listed) 30 V Operating voltage AC (IU-listed) 30 V Operating voltage AC max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage AC (IB-listed) II-listed II-li	ECLASS-11.1	27060307
customs tariff number 85444290 GTIN 4048879197908 Packaging unit 1 Electrical data   Suppty  Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Our perating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated Locking material Connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		27060307
GTIN 404879197908 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (Lul-listed) 30 V Operating voltage AC (Lul-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3  Rated surge voltage 1,5 kV Material group (IEC 60664-1) 1  Mechanical data   Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Device protection   Zinc die-casting Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deprating temperature min25 °C Operating temperature max. 85 °C Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	ETIM-5.0	
Packaging unit 1  Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating per contact max. 4 A Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (UEC 60684-1) 1  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature min25 °C Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be ondangered by excessive bending forces.		
Peter   Supply		
Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Ourrent operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Coperating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g., by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Packaging unit	1
Operating voltage DC max. 60 V Operating voltage AC (UI-listed) 30 V Operating voltage DC (UI-listed) 30 V Operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating locking Nickeled  Coating of fitting nickel plated Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Electrical data   Supply	
Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60684-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking naterial Zinc die-casting  Mechanical data   Munting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Operating voltage AC max.	60 V
Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Operating voltage DC max.	60 V
Current operating per contact max. 4 A  Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Operating voltage AC (UL-listed)	30 V
Installation   Connection  Mounting set M12 x 1  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Operating voltage DC (UL-listed)	30 V
Mounting set M12 x 1  Pevice protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material zirew connection Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Current operating per contact max.	4 A
Device protection   Electrical	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Mounting set	M12 x 1
Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radiiw when laying cables, as the IP protection class can be endangered by excessive bending forces.	Device protection   Electrical	
Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Additional condition protection degree	inserted, screwed
Material group (IEC 60664-1)  Mechanical data   Material data  Coating locking  Nickeled  Coating of fitting  nickel plated  Locking material  Zinc die-casting  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method  inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range  depending on cable quality  Important installation notes  Note on strain relief  Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		3
Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Rated surge voltage	1,5 kV
Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Material group (IEC 60664-1)	
Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Mechanical data   Material data	
Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Coating locking	Nickeled
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity		nickel plated
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Locking material	Zinc die-casting
Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Material screw connection	Zinc die-casting
Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Mechanical data   Mounting data	
Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on strain relief Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  Conformity	Mounting method	inserted, screwed, Shaking protection
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		Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be
Product standard DIN EN 61076-2-101 (M12)	Conformity	
	Product standard	DIN EN 61076-2-101 (M12)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-07



## stay connected

Installation   Cable	
Cable identification	840
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	70 %
Banding	Fleece, Foil
vire arrangement	red, green
Fraversing distance (C-track)	5 m @ 25 °C   horizontal
Cable weigth	82,5 g/m
Material jacket	TPE-V
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7,8 mm
Tolerance outer diameter (sheath)	± 5 %
Material inner jacket	TPE-V
Color (inner jacket)	white
Amount wires	2
Outer diameter insulation	2,55 mm
Outer diameter tolerance core insulation	± 5 %
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	250 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	3 A
Electrical resistance line constant wire	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1 kV @ 60 s
Electrical capacity line constant (wire - wire)	30000 pF/km
Power frequency withstand voltage (wire - acket)	1 kV @ 60 s
AC withstand voltage (wire - shield)	1 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
Fravel speed (C-track)	5 Mio. @ 25 °C