

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

PVC 1x2xAWG24 shielded vt UL/CSA 10m

**PROFIBUS** 

Female 90°

M12, 2-pole

B-coded

shielded

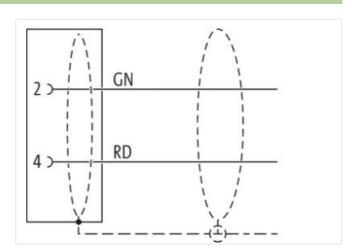
Plastic housings with good resistance against chemicals and oils.

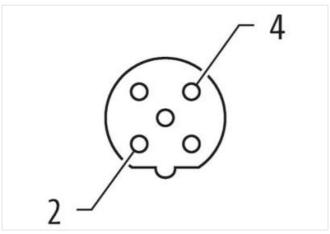
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

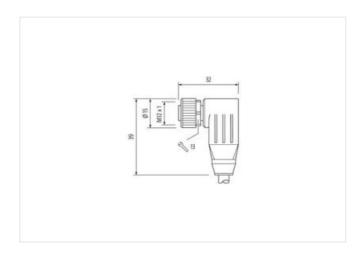
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

10 m

Side 1



stay connected

Mounting memod   Inserted, screwed	Tightening torque	0.6 Nm
Family continuous form         M12 x 1           Presed         M12 x 1           Coding         B           Matural         PUR           Width across fuls         SV13           Degree of princeton (EN ICC 60529)         IP65, IP66K, IP67           Commercial data         Commercial data           ECLASS 6.0         27061801           ECLASS 6.1         27060907           ECLASS 7.0         27060907           ECLASS 8.0.1         27060907           ECLASS 8.0.1         27060907           ECLASS 8.0.1         27060907           ECLASS 8.0.1         27060907           ECLASS 8.1.1         27060907           ECLASS 1.2.0         27060907           ECLASS 1.2.1         27060907           ECLASS 1.2.1         27060907           ECLASS 1.2.1         27060907           ETIM-S.0         ESCHAE00           GTIN         40489755244           Parkagin unit         1           Excertion of acida Suppty           Operating voltage DC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC max.         40 V           Operating voltage DC max.         10 V </td <td>Mounting method</td> <td></td>	Mounting method	
Tread		· · · · · · · · · · · · · · · · · · ·
Coding         B           Material         PUR           With a arosis flats         SW13           Degree of protection (EN IEC 60529)         IPSE, IPSBK, IP67           Commercial data           ECLASS 6.0         27061801           ECLASS 6.1         27060907           ECLASS 7.0         27060907           ECLASS 8.0         27060907           ECLASS 9.0         27060907           ECLASS 9.1         4048878526494           Packaging unit         1           Electrical data I Supply           Operating voltage AC Cmax.         60 V           Operating voltage AC (ILL-isted)         30 V           Operating voltage AC (ILL-isted)         30 V           Operating voltage per contact max.         4 A           Additional condition protection degree		
Material   PUR   With across flats		
Width across fets         SW13           Degree of protection (EN IEC (SDS29)         (PS6, IP66K, IP67)           Commercial date         27061801           ECLASS-6.0         27061801           ECLASS-7.0         27000307           ECLASS-8.0         27000307           ECLASS-9.0         27000307           ECLASS-9.0         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.2.0         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.2         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.1         27000307           ECLASS-1.2         27000307           ECLASS-1.2         27000307           ECLASS-1.2         4048878526494           E		
Degree of protection (EN IEC 80529)         IP65, IP66K, IP67           Commercial data           ECLASS-6.0         27061807           ECLASS-6.1         27061807           ECLASS-7.0         27061807           ECLASS-8.0         27061807           ECLASS-9.0         270618037           ECLASS-11.1         27061807           ECLASS-12.0         27061807           ECLASS-12.0         27061807           ECLASS-12.0         27061807           ECLASS-12.0         27061807           CITIN         4048879526494           Packaging unit         1           Electrical data I Supphy         5           Operating voltage AC max.         60 V           Operating voltage AC (IL-Istado)         30 V           Operating voltage AC (IL-Istado)         30 V           Current operating per contact max.         4 A           Installation I Connection         30 V           Device protection   Electrical         30 V           Additional protection degree         3 S           Packer and group (IEC 8064-1)         1           Installation   Condition protection degree         3 S           Casting Decking         Nickeled           Coating of Riting		
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           ETM-5.0         ECO81855           customs fatfil number         8544290           GTIN         4048879320484           Packagn unit         1           Electrical data   Suppty         V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating per contact max.         4 A           Mounting set         M12 x 1           Device protection   Electrical Adal Comments of the period of the peri		
ECLASS-6.0         27061801           ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-9.0         27060307           ECLASS-9.1         27060307           ECLASS-11.1         27060307           ECLASS-11.1         27060307           ETIM-5.0         EC001855           oustoms staff number         65444290           GTIN         404879526494           Packaging unit         1           Electrical data   Supply           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           Outrent operating per contact max.         4 A           Mounting set         M12 x 1           Device protection   Electrical           Additional condition protection degree         3           Publicion Degree         3           Rated stage voltage         1,5 kV           Material group   EC0 6664+1)         1           Mechanical data   Material data         2/2 nc de-casting           Mechanical data   Mounting data         inserted,		55, 55. 4 5
ECLASS-6.1         27060307           ECLASS-7.0         27060307           ECLASS-8.0         27060307           ECLASS-8.0         27060307           ECLASS-1.1         27060307           ECLASS-11.1         27060307           ECLASS-12.0         27060307           ECLASS-12.0         127060307           Customs tariff number         85444290           GTIN         4048879626494           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Mounting set         M12 x 1           Device protection   Electrical         M12 x 1           Meterial group (IEC 60664-1)         1           Material group (IEC 60664-1)         1           Meterial group (IEC 60664-1)		07004004
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-5.0         ECO1855           customs traiff number         85444290           GTIM         4M9887926494           Packaigu unit         1           Electrical data   Supply         0           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC max.         40 V           Operating voltage DC (U-Listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Addition   Connection         M12 x 1           Device protection   Electrical           Addition   Connection         Installation   Connection           Device protection   Electrical           Additional condition protection degree         Inserted, screwed		
ECLASS 8.0         27060307           ECLASS 9.0         27060307           ECLASS 11.1         27060307           ECLASS 11.1         27060307           ECLASS 12.0         27060307           ETIM-5.0         ECD01985           customs tariff number         85444290           GTIN         4048879526494           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (U.L-listed)         30 V           Operating voltage AC (U.L-listed)         30 V           Current operating per contact max.         4 A           Institution of the contact max.           Additional condition protection degree           Institution of the contact max.           Additional condition protection degree           Institution of the contact max.           Additional condition protection degree           Institution of the contact max.           Additional condition protection degree         inserted, screwed           Political condition protection degree         inserted, screwed           Political condition protection degree         inserted, screwed		
ECLASS 9.0         27060307           ECLASS 1-1.1         27060307           ECLASS 1-1.2         27060307           ECLASS 1-2.0         27060307           ETIM 5.0         EC001885           Caustoms fairff number         85444290           GTIN         4048879526494           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating vollage AC max.         60 V           Operating vollage AC QLU-listed)         30 V           Operating vollage AC QLU-listed)         30 V           Operating vollage AC QLU-listed)         30 V           Operating vollage PC QLU-listed)         30 V           Operating vollage PC QLU-listed)         30 V           Outrent operating per contect max.         4 A           Additional Condition protection         Inserted, screwed           Pollution Degree         3           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rect aligney voltage         1,5 kV           Material group (EC 60684-1)         Inches aligney voltage           Casting obting         incke plated           Cocking material         incke leasting <t< td=""><td></td><td></td></t<>		
ECLASS-10.1         27060307           ECLASS-11.2         27060307           ETIM-5.0         ECO91855           customs tariff number         85444290           GTIN         404879526494           Packaging unit         1           Electrical datal Supply         Inceptating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (Ulisted)         30 V           Operating voltage AC (Ulisted)         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           Material group (IEC 60664-1)         1           International datal Material data         Nickeled           Coating locking         Nickeled           Coating of litting         rickel plated           Locking metrial         Zinc die-casting           Mechanical data   Mounting data           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic <td></td> <td></td>		
ECLASS-11.11         27060307           ECLASS-12.0         27060307           ECHASS-12.0         ECD01855           customs tariff number         85444290           GTIN         4048879528494           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V           Operating voltage DC (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 60664-1)         1           Mechanical data   Material data           Coating locking         Nickeled           Coating locking         Nickeled plated           Locking material         Zinc die-casting           Material sorew connection         Zinc die-casting           Mounting method </td <td></td> <td></td>		
ECIASS-12.0         27060307           ETIM-5.0         EC001855           customs tariff rumber         85444290           GTIN         4048879526494           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 per contact max.         4 A           Installation   Connection         Mounting set           Mounting set         M12 x 1           Device protection   Electrical         3           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         I           Coating of fitting         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 characterist		
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879526494 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 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 (IU-listed) I I  Mechanical data   Material data  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Material screw connection Zinc die-casting  Material data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating 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.		
customs tariff number 85444290 GTIN 4048879526494 Packaging unit 1 Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (Ulisted) 30 V Operating voltage AC (Ulisted) 30 V Operating voltage AC (Ulisted) 30 V Our operating per contact max. 4 A Installation   Connection Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Poliution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data   Material data Coating locking national Zinc die-casting Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic Operating temperature max. 85 °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: Cobserve the permissible bending forces.  Contormity		
GTIN 4048879526494 Packaging unit 1  Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (Lulisted) 30 V  Installation   Connection Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 3  Rated surge voltage 1,5 kV Material group (IEC 60684-1) 1  Mechanical data   Material data Coating locking Nickeled Coating locking nickel plated Locking material Additional data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Environmental characteristics   Climatic  Environmental 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.  Atention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.		
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC guar. 60 V  Operating voltage AC (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 sorge (UEC 60684-1) 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 min25 °C  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.		
Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage DC max. 60 V  Operating voltage DC (UL-listed) 30 V  Operating voltage DC (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 ktV  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  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Coperating 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 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 Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 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 bending radius  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 (UL-listed) 30 V Operating voltage AC (UL-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) 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.	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  Wounting 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 nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Munting 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.  Conformity	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  Methanical 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 bending radius  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 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 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 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  Coperating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  Note on barding radius Afterion: 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  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 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	Current operating per contact max.	4 A
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.	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 radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Device protection   Electrical	
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.	Additional condition protection degree	inserted, screwed
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.	·	· · · · · · · · · · · · · · · · · · ·
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.		1,5 kV
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.	Material group (IEC 60664-1)	
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	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	·	Niekolod
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.  Conformity		
Material screw connection  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		<u>`</u>
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.		<del>-</del>
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		Enio dio dagning
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.  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		incorted paramed Challing pretention
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	_	
Operating temperature max.  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	· ·	
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		
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		
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	Additional condition temperature range	depending on cable quality
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	Important installation notes	
endangered by excessive bending forces.  Conformity	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	
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: 2024-05-02



stay connected

Installation   Cable	
Cable identification	850
Jacket Color	violet
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	70 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	red, green
Traversing distance (C-track)	5 m @ 25 °C
Cable weigth	75,9 g/m
Material jacket	PVC
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	7,8 mm
Tolerance outer diameter (sheath)	± 5 %
Amount wires	2
Outer diameter insulation	2,55 mm
Outer diameter tolerance core insulation	± 5 %
Ingredient 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.	30 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	78 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Electric capacitance	30000 pF/km
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static)	-25 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-20 °C
Operating temperature max. (dynamic)	60 °C
Flame resistance	UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	7,5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C