

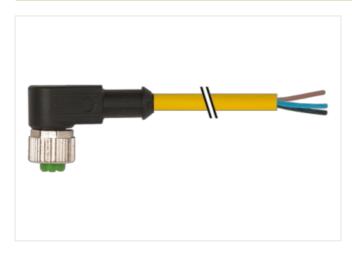
## M12 female 90° A-cod. with cable

PVC 3x0.34 ye UL/CSA 3m

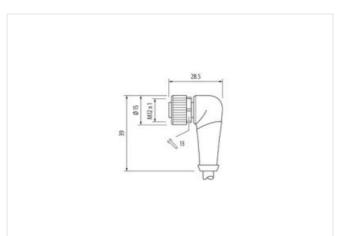
Female 90° M12, 3-pole Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

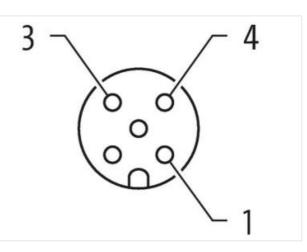
## Link to Product

Illustration









Product may differ from Image



 Cable length
 3 m

 Side 1

 Tightening torque
 0,6 Nm

 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: 2024-06-01

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Family construction form         M12           Instrad         M12 I           subtable for consignable (bube (internal 0)         10 mm           Coding         A           Material         PUR           No. of poles         3           Width access fasts         SW13           Dagree of protection (ENTEC 60528)         PRES. IP66K, IP67           Side 2            ECLASS 6.0         27279218           ECLASS 6.1         272090311           ECLASS 6.1         27090311           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         272090311           ECLASS 7.0         272090311           ECLASS 7.0         27000311           ECLASS 7.0         27000311           ECLASS 7.0         27000311           ECLASS 7.0         27000311           ECLASS 7.0         270000311           EDMASID	Mounting method	inserted, screwed
Sultable for corrugated tube (internal 0)         10 mm           Coding         A           Material         PUR           No. of poles         3           With across taba         SW13           Degree of protection (KN IEC 60359)         IP65, IP66K, IP67           Side 2         Stripping length (jacker)           Commercial data         ECLASS 4.0           ECLASS 4.0         22729218           ECLASS 5.1         22729218           ECLASS 5.0         22706031           ECLASS 4.0         27060311           ECLASS 5.1.1         27060311           ECLASS 5.2.0         27060311           ECLASS 5.3         ECO00855           custom tall" number         85444290           GTN         404827920897           Packaging unit         1           Electrical datal Supply         Operating voltage AC max.           Operating voltage CO max.         250 V           Operating voltage CO (LI-Listed)         30 V           Current operating voltage AC max.         250 V           Operating voltage CO (LI-Listed)         30 V           Current operating voltage CO (LI-Listed)         30 V           Current operating voltage CO (LI-Listed)         3 V	Family construction form	M12
Coding         A           Material         PUR           No. of poles         3           Width across files         SW13           Degree of protection (FM IEC 60528)         IPES, IPEGR, IPE7           Side 2         Stroping length (acket)         20 mm           Commercial data         E           ECLASS-6.0         27278218           ECLASS-6.0         27278218           ECLASS-6.0         27278218           ECLASS-6.0         27278218           ECLASS-6.0         27278218           ECLASS-6.0         27260311           ECLASS-6.0         27060311           ECLASS-6.0         27060311           ECLASS-1.1         27060311           ECLASS-1.0         EC0001855           outsmart staff number         85444200           GTIN         404897208097           Parkagry unit         1           Electrical data [Supply           Operating voltage AC max.         250 V           Operating voltage AC (UL-Listed)         30 V           O	Thread	M12 x 1
Material         PUF           No. of poles         3           With across filts         SW13           Degree of protection (ENTEC 60529)         IP65, IP66K, IP67           Side 2         Stripping length (jacket)         20 mm           Commercial data         ECLASS 6.1         227279218           ECLASS 6.1         227279218         ECLASS 6.1         227279218           ECLASS 6.0         27279218         ECLASS 6.1         227279218           ECLASS 6.0         27279218         ECLASS 6.1         227279218           ECLASS 6.1         227279218         ECLASS 6.1         227260311           ECLASS 7.0         227260311         ECLASS 7.1         27060311           ECLASS 7.1.1         27060311         ECLASS 7.2         27060311           ECLASS 7.20         27060311         ECLASS 7.2         <	suitable for corrugated tube (internal Ø)	10 mm
No. of poles         3           Width access fats         SW13           Degree of protection (ENTEC 00528)         IP65, IP67, IP67           Side 2         Strippin length (lacket)         20 mm           Commercial data         ECLASS-4.0         22729218           ECLASS-6.0         22729218         ECLASS-6.0         22729218           ECLASS-6.0         22729218         ECLASS-6.0         22729218           ECLASS-6.0         27279218         ECLASS-6.0         27279218           ECLASS-6.0         27060311         ECLASS-6.0         27060311           ECLASS-10.1         27060311         ECLASS-1.0         27060311           ECLASS-12.0         27060311         ECLASS-1.0         2706031           ECHASS-12.0         ECO01.855         Coustoms tairf number         6544280         GTN           Operating vindage DC max.         250 V         Operating vindage DC max.         250 V	Coding	A
With across flats         SW13           Dagree of protection (EN IEC 60528)         IPPS, IP6K, IP67           Sife 2         Stripping kingth (jackat)         20 mm           Commercial data         E           ECLASS-6.0         27279218           ECLASS-6.1         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27279218           ECLASS-6.0         27060311           ECLASS-7.0         27060311           ECLASS-7.0         27060311           ECLASS-7.0         27060311           ECLASS 12.0         250040           Orgenting voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage AC (UL-listed)         30 V           Operating voltage CO (UL-listed) <td>Material</td> <td>PUR</td>	Material	PUR
Degree of protection (EN IEC 60529)         IP65, IP66K, IP67           Sife 2         Sifeping length (jacket)         20 mm           Commercial data         EQ.ASS 4.0         27279218           ECLASS 7.0         27279218         ECLASS 7.0           ECLASS 3.0         27279218         ECLASS 7.0           ECLASS 3.0         27279218         ECLASS 7.0           ECLASS 3.0         27279218         ECLASS 7.0           ECLASS 7.0         27279218         ECLASS 7.0           ECLASS 7.0         27279218         ECLASS 7.0           ECLASS 7.0         27060311         ECLASS 7.0           ETM-S.0         ECO01895         cautoms tariff number           63544290         GTN         404897200897           Paskaging unit         1         Electical data [Supply           Operating voltage AC max.         250 V         Operating voltage AC max.           Operating voltage AC max.         250 V         Operating voltage AC (UL listed)           Operating voltage AC (UL listed)         30 V         Operating voltage AC max.	No. of poles	3
Bide 2           Stripping length (jacket)         20 mm           Commercial data         22729218           ECLASS-8.0         22279218           ECLASS-8.1         22279218           ECLASS-8.0         22279218           ECLASS-8.0         22279218           ECLASS-8.0         2279218           ECLASS-8.0         2279218           ECLASS-1.1         27060311           ECLASS-1.2         27060311           ECLASS-1.3         27060311           ECLASS-1.1         27060311           ECLASS-1.3         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.1         27060311           ECLASS-1.3         25001685           caustms tariff number         8544230           GTIN         404887920897           Packaging unit         1           Electrical data I Supply         0           Operating voltage AC max.         250 V           Operating voltage AC (LL-listed)         30 V           Current operating voltage AC (LL-listed)         30 V           Current operating voltage AC (LL-listed)         30 V           Current operating voltage AC (LL-listed)	Width across flats	SW13
Stripping length (jacked)         20 mm           Commercial data         22739218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27090311           ECLASS-1.1         27090311           ECLASS-1.1         27090311           ECLASS-1.1         27090311           ECLASS-1.1         27090311           ECLASS-1.1         27090311           ECLASS-1.1         27090311           ECLASS-1.0         27090311           ECMASS-1.1         27090311           ECMASS-1.1         27090311           ECMASS-1.0         27090311           ECMASS-1.0         27090311           ETMAS<0	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data           ECLASS 6.0         27279218           ECLASS 7.0         27260311           ECLASS 7.0         27060311           ECLASS 7.0         25001855           customs tauff number         8544230           OTIN         404873206897           Packaging unit         1           Electrical data [Supply         Operating voltage DC max.           Operating voltage DC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC max.         4 A           Installation   Connection         30 V           Gurrent operating oper contact max.         4 A           Installation   Connection         Mitz	Side 2	
ECLASS-6.0         27278218           ECLASS-6.1         27279218           ECLASS-6.1         27279218           ECLASS-8.0         27279218           ECLASS-8.0         27060311           ECLASS-8.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ELCASS-12.0         2706031           Electrical data Supply         0           Operating voltage AC max.         250 V           Operating voltage AC (LL-listed)         30 V           Current operating motalat max.         4 A <tr< td=""><td>Stripping length (jacket)</td><td>20 mm</td></tr<>	Stripping length (jacket)	20 mm
ECLASS-6.1         27279218           ECLASS 6.0         27279218           ECLASS 6.0         27279218           ECLASS 6.0         27279218           ECLASS 6.0         27060311           ECLASS 7.0         27060311           ECLASS 1.1         27060311           ECLASS 1.2.0         27060311           ECLASS 1.1.1         27060311           ECLASS 1.2.0         27060311           ECLASS 1.3         27060311           ECLASS 1.4         27060311           ECLASS 1.5.0         EC001855           outstoms taiff number         8544290           GTIN         4048973208697           Packaging unit         1           Electrical dai [Supply         Operating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage DC max.         250 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (U	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           Electrical data  Supply         0           Operating voltage AC (UL-listed)         30 V           Current operating voltage AC (UL-listed)         30 V           Brizbiping length (jackel)         20 mm	ECLASS-6.0	27279218
ECLASS-8.0         27278218           ECLASS-8.0         27060311           ECLASS-10.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001855           customs taff number         8544290           GTIN         4048873020897           Packaging unit         1           Electrical data [Supply         Operating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (UL-Isted)         30 V           Mounting set         M12 x 1           Device protection   Electrical         Streping length (jackn)           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         2,5 kV	ECLASS-6.1	27279218
ECLASS 9.0         27060311           ECLASS 10.1         27060311           ECLASS 11.1         27060311           ECLASS 12.0         27060311           ECLASS 12.0         27060311           ECLASS 12.0         27060311           ECLASS 12.0         27060311           ETM-5.0         ECO1855           customs tariff number         86444290           GTIN         4048873006697           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage DC (UL-listed)         30 V           Current operating port contact max.         4 A           Installation   Connection         Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protectrical data           Material group (ICE 60664-1)         1           Mechanical data   Material data         Cacing colting           Coating locking         Nickeled           Coating of fiting         nickel plated           Coating of fiting         Zinc die-casting	ECLASS-7.0	27279218
ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-11.1         27060311           ECLASS-12.0         ECO01855           customs fariff number         85444290           GTIN         40487200697           Packaging unit         1           Electrical data [Supply            Operating voltage AC max.         250 V           Operating voltage AC max.         250 V           Operating voltage AC (LL-Isited)         30 V           Current operating per contact max.         4 A           Instalation   Connection         Stripping length (jackel)           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Rated surge voltage         2.5 kV           Material gr	ECLASS-8.0	27279218
ECLASS-12.0         27060311           ETIM-5.0         EC001855           oustoms tairf number         85444290           GTIN         4048879208697           Packaging unit         1           Electrical data   Supply         0           Operating voltage AC max.         250 V           Operating voltage AC (LL-listed)         30 V           Operating voltage AC (LL-listed)         30 V           Operating voltage AC (LL-listed)         30 V           Current operating voltage AC (LL-listed)         30 V           Bistallation [Connection         Installation [Connection           Stripping length (jacket)         20 mm           Mounting set         M12 x 1           Device protection   Electrical         Content of Beree           Additional condition protection degree         3           Rated surge voltage         2,5 kV <t< td=""><td>ECLASS-9.0</td><td>27060311</td></t<>	ECLASS-9.0	27060311
ECLASS-12.0       27060311         ETM-5.0       EC011855         customs tariff number       85444290         GTIN       4048879200897         Packaging unit       1         Electrical data   Supply          Operating voltage AC max.       250 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Current operating notage DC max.       4 A         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 80664-1)       1         Meterial group (IEC 80664-1)       1         Meterial group (IEC 80664-1)       1         Meterial screw connection       Zinc die-casting         Material screw connection       Zinc die-casting	ECLASS-10.1	27060311
ETIM-5.0       EC001855         customs tariff number       8544290         GTIN       4048879208697         Packaging unit       1         Electrical data   Supply          Operating voltage AC max.       250 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating space DC (UL-listed)       30 V         Operating processor       30 V         Operating voltage AC (UL-listed)       30 V         Operating space DC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Pollution Degree       3         Rated surge voltage       2.5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Zinc die-casting         Coating locking       Nickeled </td <td>ECLASS-11.1</td> <td>27060311</td>	ECLASS-11.1	27060311
customs tariff number       85444290         GTIN       4048879208697         Packaging unit       1         Electrical data   Supply       Operating voltage AC max.       250 V         Operating voltage AC (UL-listed)       30 V       Operating voltage AC (UL-listed)         Operating voltage AC (UL-listed)       30 V       Operating voltage AC (UL-listed)         Operating voltage AC (UL-listed)       30 V       Operating voltage AC (UL-listed)         Operating voltage AC (UL-listed)       30 V       Operating voltage AC (UL-listed)         Operating voltage AC (UL-listed)       30 V       Operating voltage AC (UL-listed)         Operating voltage AC (UL-listed)       30 V       Operating voltage AC (UL-listed)         Operating voltage AC (UL-listed)       30 V       Operating voltage AC max.         Installation   Connection       Current operating per contact max.       4 A         Installation   Connection       20 mm       Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree       inserted, screwed       Polutuon Degree       3         Rated surge voltage       2,5 kV       Material group (IEC 60664-1)       1       Inserted, screwed         Polution Degree       3       Inserted, screwed, Shaking protection       Coating lo	ECLASS-12.0	27060311
GTIN       4048879208697         Packaging unit       1         Electrical data   Supply          Operating voltage AC max.       250 V         Operating voltage DC max.       250 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection          Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical          Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwe	ETIM-5.0	EC001855
Packaging unit       1         Electrical data   Supply         Operating voltage AC max.       250 V         Operating voltage DC max.       250 V         Operating voltage DC max.       250 V         Operating voltage DC ML-listed)       30 V         Operating voltage DC UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree       inserted, screwed         Pollution Degree       3       Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1       I       Mechanical data   Material data         Coating locking       Nickeled       Coating locking       Nickeled         Coating locking       Nickeled       Coating discrew connection       Zinc die-casting         Material screw connection       Zinc die-casting       Material screw connection       Zinc die-casting         Material screw connection       Zins clie-casting       Material screw connection       Zins clie-casting         Material screw connection       Zins clie-casting       Material screw connection       Zins clie-casting <t< td=""><td>customs tariff number</td><td>85444290</td></t<>	customs tariff number	85444290
Electrical data   Supply         Operating voltage AC max.       250 V         Operating voltage C (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Zinc die-casting         Coating locking       Nickeled         Coating locking       Nickeled         Locking material       Zinc die-casting         Material zmore connection       Zinc die-casting         Material server connection       Zinc die-casting         Material muthing data       Nounting data         Mounting method       inserted, screwed, Shaking protection         Environmenta	GTIN	4048879208697
Operating voltage AC max.       250 V         Operating voltage DC max.       250 V         Operating voltage DC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fiting         Coating of fiting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       mounting method         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	Packaging unit	1
Operating voltage DC max.       250 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         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	Electrical data   Supply	
Operating voltage DC max.       250 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         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	Operating voltage AC max.	250 V
Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rater dauge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         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         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature min.       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality <td></td> <td>250 V</td>		250 V
Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Meunting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		
Current operating per contact max.       4 A         Installation   Connection         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		30 V
Installation   Connection         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		4 A
Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical		
Mounting set       M12 x 1         Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       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		20 mm
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         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         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		
Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	-	
Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         Additional condition temperature range       depending on cable quality	· · ·	incontrol personnel
Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         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         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	· · ·	
Material group (IEC 60664-1)       I         Mechanical data   Material data       Vickeled         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         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		
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Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         Additional condition temperature range       depending on cable quality		Nicholand
Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         Additional condition temperature range       depending on cable quality	0 0	
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		·
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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		
Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		inserted screwed Shaking protection
Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	-	
Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality	· · ·	-25 °C
Additional condition temperature range depending on cable quality		
Important installation notes	· -	
	Important installation notes	

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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	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
wire arrangement	brown, black, blue
Cable identification	013
Cable Type	1
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	34,1 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Outer-diameter (jacket)	4.6 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	45 ± 5 Shore D
Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0.15 mm
Conductor crosssection (wire)	·
, , , , , , , , , , , , , , , , , , ,	0,34 mm²
Material conductor wire	Stranded copper wire, bare Strand class 5
Conductor type (wire)	
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Oli resistance	
Bending radius (fixed)	5 x Outer diameter

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