

## M12 female 90° A-cod. with cable LED

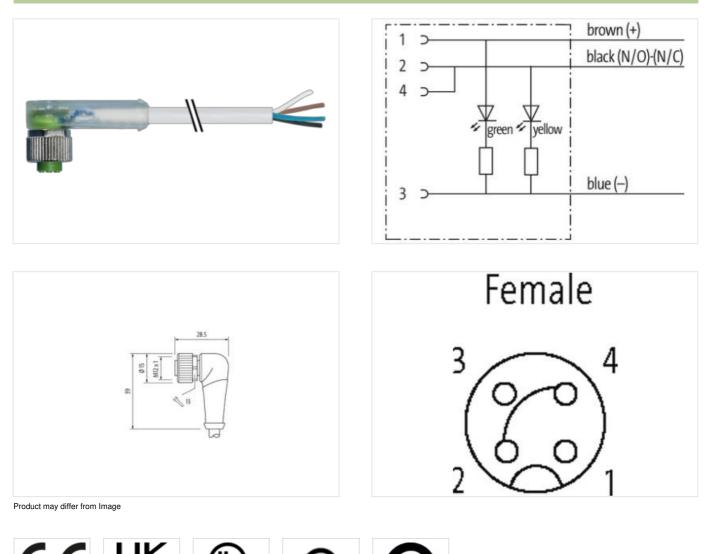
PUR 3x0.34 gy UL/CSA 3m

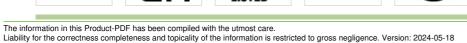
## ⚠ NOTICE ⚠ PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female 90° M12, 4-pole 2× LED (PNP) bridged Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request 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





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suitable for corrugated tube (internal Ø)10 mmMaterialPURWith arcoss firstsSW13Degree of protection (EN EC 60529)P65, IP86K, IP67Connecial dat27279218ECLASS 6.027279218ECLASS 7.027279218ECLASS 8.027270218ECLASS 8.027260311ECLASS 8.127060311ECLASS 8.127060311ECLASS 8.1.027060311ECLASS 8.1.027060311ECLASS 8.1.027060311ECLASS 8.1.027060311ECLASS 8.1.127060311ECLASS 8.1.2.027060311ECLASS 8.1.2.027060311ECLASS 9.1.127060311ECLASS 9.1.127060311ECLASS 9.1.127060311ECLASS 9.1.127060311ECLASS 9.1.127060311ECLASS 9.2.027060311ECLASS 9.2.02706031ECLASS 9.0270702ECLASS 9.0270702ECLASS 9.0270702ECLASS 9.0270702ECLASS 9.0270702E	Cable length	3 m
Mauning mentod         inserted, sorowed           Family contrauction form         M12           Family contrauction form         M12 × 1           suitable for corrungated tube (netmal 0)         10 mm           Matinal         PUR           With accoss finis         9VH3           Degree of protection (EN IEC 60520)         IP66, IP67           Commercial Gott         22729218           ECLASS A0         22729218           ECLASS A1         2060311           ECLASS A1         2060311           ECLASS A1         20600311           ECLASS A1         20700000000000000000000000000		
Mauning mentod         inserted, sorowed           Family contrauction form         M12           Family contrauction form         M12 × 1           suitable for corrungated tube (netmal 0)         10 mm           Matinal         PUR           With accoss finis         9VH3           Degree of protection (EN IEC 60520)         IP66, IP67           Commercial Gott         22729218           ECLASS A0         22729218           ECLASS A1         2060311           ECLASS A1         2060311           ECLASS A1         20600311           ECLASS A1         20700000000000000000000000000	Tightening torque	0.6 Nm
Family construction form         M12           Thread         M12 x 1           suitable for corrugated tube (internal 0)         10 mm           Matarial         PUR           Worth across fias         SW13           Degree of protection (EN IEC e0528)         IP95, IP06K, IP67           Commercial data         ECLASS 6.0           ECLASS 6.0         22279218           ECLASS 6.1         22279218           ECLASS 6.0         2279218           ECLASS 6.0         2279218           ECLASS 6.1         2279218           ECLASS 6.0         27090311           ECLASS 7.0         27090311 <tr< td=""><td></td><td>·</td></tr<>		·
Thread         M12 x 1           suitable for corrugaled lube (informal 0)         10 mm           suitable for corrugaled lube (informal 0)         PUR           With access fins         SW13           Degree of proteiner (FN IEG 60229)         IP66, IP667, IP67           Commercial data         22727818           ECLASS 6.0         22727818           ECLASS 7.0         22727818           ECLASS 7.0         22727818           ECLASS 7.0         22727818           ECLASS 7.1         27000311           ECLASS 7.1         27000311           ECLASS 7.1         27000311           ECLASS 7.1.1         27000311           ECLASS 7.1.2         27000311           ECLASS 7.1.1         27000311           ECLASS 7.1.1         27000311           ECLASS 7.2.2         27060311           Counting time time tim tumber         8544290		
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IPES, IPESK, IPE7           Commercial data         27279218           ECLASS 4.0         27279218           ECLASS 5.1         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27279218           ECLASS 5.1         27060311           ECLASS 5.10         27060311           ECLASS 5.10         27060311           ECLASS 5.10         27060311           ECLASS 5.10.1         27060311           ECLASS 5.10         27060312           <	Thread	
Material         PUR           Width across flats         SW13           Degree of protection (EN IEC 60529)         IPES, IPESK, IPE7           Commercial data         27279218           ECLASS 4.0         27279218           ECLASS 5.1         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27279218           ECLASS 5.0         27279218           ECLASS 5.1         27060311           ECLASS 5.10         27060311           ECLASS 5.10         27060311           ECLASS 5.10         27060311           ECLASS 5.10.1         27060311           ECLASS 5.10         27060312           <	suitable for corrugated tube (internal $\emptyset$ )	
Degree of protection (EN IEC 60529)         IP65, IP660, IP67           Commercial data         P27279218           ECLASS 6.0         27279218           ECLASS 7.0         27260311           ECLASS 7.0         27060311           ECLASS 7.1         27060311           ECLASS 7.20         27060311           ECLASS 7.20         27060311           ECLASS 7.20         27060311           ECLASS 7.20         2706031           Commercial data [ Suppiv         P001895           customs tarif number         8544289           Contine to exting voltage DC         24 V           Operating voltage DC Oma.         30 V           Operating voltage DC Oma.         30 V           Operating voltage DC Oma.         4 A           Degree or omater max.         4 A	Material	PUR
Commercial data         ECLASS 6.0         27279218           ECLASS 6.0         27279218         27279218           ECLASS 6.0         27279218         27279218           ECLASS 6.0         27279218         27060311           ECLASS 5.0.0         27060311         27060311           ECLASS 5.0.1         27060311         27060311           ECLASS 5.1.1         27060311         27060311           ECLASS 5.2         27060311         27060311           FIM 5.0         EC001655         2001           Cuastoms tatiff number         8544230         2001           GTN /// Adde79203682         Packagin yoling DC         24 V           Operating voltage DC max.         18 Y         2001           Operating voltage DC max.         18 Y         2001           Datasti adication LED         groen, yellow         2001	Width across flats	SW13
ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27050311           ECLASS-8.0         27060311           ECLASS-8.1         27060311           ECLASS-8.1         27060311           ECLASS-8.1.1         27060311           ECLASS-8.1.2         27060311           ECLASS-8.1.3         27060311           ECLASS-8.1.0         27060311           ECLASS-8.1.0         ECOL055.5           customs tauff number         8544230           Current operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0.1         27060311           ECLASS 8.10.1         27060311           ECLASS 9.2         27060311           ECLASS 9.11.1         27060311           ECLASS 9.2         2706031           ECLASS 9.2         2706392           Packaging unit         1           EMEchical datal Supply         EMEchical datal Supply           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         10 V           Eutered atom LED         green. yellow           Installation I Connection         Mid x 1           Device protection I Electrical         Electrical strewed      <	Commercial data	
ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         2720311           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.2         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ETM-5.0         EC001855           outoms tariff number         6544290           GTIN         404879203982           Packaging unit         1           Electrical dta I Supply            Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics            Status indication LED         green, yollow           Instalializin   Connection         M12 x 1           Device protection   Electrical            Additional condition protection degree         inserted, screwed           Pultuton Degree         3           Rated surge voltage         0,8 kV <t< td=""><td>ECLASS-6.0</td><td>27279218</td></t<>	ECLASS-6.0	27279218
ECI.ASS 8.0         27279218           ECI.ASS 9.0         27060311           ECI.ASS 9.0         27060311           ECI.ASS 10.1         4048379203982           Packaging unit         1           Electrical dia Suppy         Electrical Gal Suppy           Operating voltage DC max.         4 A           Diagnostics         Statis indicalion LD           Statis indicalion LD         green, yellow           Instatistion [Connection	ECLASS-6.1	27279218
EGLASS 9.0         27060311           EGLASS 10.1         27060311           EGLASS 11.1         27060311           EGLASS 12.0         27060311           Electrical data [Supply         Deparing voltage DC           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Dignostics         Egreen, yellow           Installation [Connection         Encerted           Mounting set         M12 x 1           Device protection [Electrical         Encerted           Additional conditon protection degree         inserted, screwed	ECLASS-7.0	27279218
ECLASS:10.1         27060311           ECLASS:12.0         27060311           ECLASS:12.0         27060311           ETIM-6.0         EC001855           customs tariff number         85444290           GTIN         4048879203982           Packaging unit         1           Electrical data   Supply	ECLASS-8.0	27279218
ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         EC001855           cautoms tariff unmbor         85444290           GTIN         404887203982           Packaging unit         1           Electrical data   Supply         Coperating voltage DC           Q4 V         Operating voltage DC           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics         Current operating par contact max.         4 A           Diagnostics         Status flocation LED         green, yellow           Installation   Connection         M12 x 1         Device protection   Electrical           Additional condition protection degree         inserted, screwed         Pollution Degree           Polution Degree         3         Status flocation         Coating of fitting           Material group (IEC 60664-1)         I         Mechanical data   Material data         Coating of fitting         nickeled           Coating of fitting         nickeled al plated         Coating of fitting         nickeled al plated         Coating of fitting         Coating of fitting         Coating of fitting         Coating of fitting         Coati	ECLASS-9.0	27060311
ECLASS-12.0         27060311           ETM-5.0         EC001985           customs tariff number         8544290           GTIN         4048878003982           Packaging unit         1           Etectrical data   Supply            Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics            Status indication LED         green, yellow           Instaliation   Connection         M12 x 1           Device protection   Electrical            Polition Dagree         3           Rated surge voltage         0.8 kV           Material ators (LE 60684-1)         1           Mechanical data   Material data            Coating locking         Nickeled           Coating of Riting         nickeled acting           Caating of Riting         Zinc die-casting           Material sorew (Inserved, Staking protection         Since die-casting           Material sorew connection         Zinc die-casting           Material Sorew (Connection)	ECLASS-10.1	27060311
ETIM-6.0         EC001865           customs tariff number         85444290           GTIN         404887903982           Packaging unit         1           Electrical data   Supply            Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics            Status indication LED         green, yellow           Installation   Connection            Mounting set         M12 x 1           Device protection   Electrical            Additional condition protection degree         inserted, screwed           Pollution Degree         3           Read's surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection   clercasting         Iserverd, Shaking protection           Mounting method         inserted, screwed, Shaking protection <td>ECLASS-11.1</td> <td>27060311</td>	ECLASS-11.1	27060311
customs tariff number         B6444290           GTIN         4048879203982           Packaging unit         1           Electrical data   Supply         Coperating voltage DC           Qerating voltage DC         24 V           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Current operating per contact max.         4 A           Diagnostics         Current operating per contact max.           Status indication LED         green, yellow           Installation   Connection         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Policoin Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Coacing of fiting           Coating of fiting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         inserted, screwed, Shaking protection           Electrical data   Material data         Coacing of fiting         nickel plated           Coating of fiting	ECLASS-12.0	27060311
GTIN     4048879203982       Packaging unit     1       Electrical data   Supply       Operating voltage DC     24 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     30 V       Operating voltage DC max.     4 A       Diagnostics     30 V       Status indication LED     green, yellow       Installation   Connection     M12 x 1       Device protection   Electrical     4       Additional condition protection degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Material group (IEC 60664-1)     1       Methanial data     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Evorometal characteristics   Climatic     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection	ETIM-5.0	EC001855
Packaging unit       1         Electrical data   Supply       24 V         Operating voltage DC       24 V         Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Current operating per contact max.       4 A         Diagnostics       5         Status indication LED       green, yellow         Installation   Connection       1         Mounting set       M12 x 1         Device protection   Electrical       2         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating locking       Nickeled         Coating of fitting       inserted, screwed, Shaking protection         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection [Cuesting in screted, screwed, Shaking protection         Environmental characteristics   Cli	customs tariff number	85444290
Electrical data   Supply         Operating voltage DC       24 V         Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Corrent operating per contact max.       4 A         Diagnostics       green, yellow         Installation   Connection       mutry set         Mounting set       M12 x 1         Device protection   Electrical       screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Zinc die-casting         Coating locking       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Mechanical data   Mounting data       Versewed, Shaking protection         Mechanical data   Mounting data       Since were, Shaking protection         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Since were die-casting         Mounting method       inserted, screwed, Shaking protection <td< td=""><td>GTIN</td><td>4048879203982</td></td<>	GTIN	4048879203982
Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostic         status indication LED           Status indication LED         green, yellow           Installation   Connection         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Coating of fitting           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Imserted, screwed, Shaking protection           Mechanical data   Mounting data         Sro C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality	Packaging unit	1
Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Current operating per contact max.       4 A         Diagnostics       green, yellow         Installation   Connection       green, yellow         Mounting set       M12 x 1         Device protection   Electrical       Device protection   Electrical         Additional condition protection degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         I       Mickeld         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         Mounting method       inserted, screwed, Shaking protection         Direcking and plated       Cooling of fitting         Device protection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Qoperating temperature min.         Operating temperature min.       -25 °C	Electrical data   Supply	
Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Current operating per contact max.         4 A           Diagostics         green, yellow           Installation I ED         green, yellow           Installation I Connection         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         3           Polucion Degree         3           Rated surge voltage         0,8 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           Material screw connection         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating of material           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality <td>Operating voltage DC</td> <td>24 V</td>	Operating voltage DC	24 V
Operating voltage DC max. (UL-listed)       30 V         Current operating per contact max.       4 A         Diagnostics       green, yellow         Installation   Connection       green, yellow         Installation   Connection       M12 x 1         Device protection   Electrical       M12 x 1         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating locking         Coating locking       Nickeled         Coating locking       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	Operating voltage DC min.	18 V
Current operating per contact max.       4 A         Diagnostics         Status indication LED       green, yellow         Installation   Connection       Mux 1         Device protection   Electrical       M12 x 1         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         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       Inserted, screwed, Shaking protection         Device protection       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	Operating voltage DC max.	30 V
Diagnostics           Status indication LED         green, yellow           Installation   Connection         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         1           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material group (IEC 60664-1)         Zinc die-casting           Coating locking         Nickeled           Coating locking         Nickeled           Coating of fitting         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Sereed, Shaking protection           Portenting temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality	Operating voltage DC max. (UL-listed)	30 V
Status indication LED     green, yellow       Installation   Connection     Mu12 x 1       Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     V       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Iserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     V       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         Multication           Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 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           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating protection           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality	Diagnostics	
Mounting set     M12 x 1       Device protection   Electrical       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     0,8 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     V       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     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	Status indication LED	green, yellow
Device protection   Electrical         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Image: Control of the stress of t	Installation   Connection	
Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0,8 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         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality	Mounting set	M12 x 1
Pollution Degree       3         Rated surge voltage       0,8 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         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	Device protection   Electrical	
Pollution Degree       3         Rated surge voltage       0,8 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         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		inserted, screwed
Rated surge voltage       0,8 kV         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       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         Additional condition temperature range       depending on cable quality		
Material group (IEC 60664-1)       I         Mechanical data   Material data       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         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	Rated surge voltage	
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       Zinc die-casting         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)	1
Coating lockingNickeledCoating of fittingnickel platedLocking materialZinc die-castingMaterial screw connectionZinc die-castingMechanical data   Mounting dataInserted, screwed, Shaking protectionMounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable quality		
Coating of fitting       nickel plated         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       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality		Nickeled
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.         85 °C       Additional condition temperature range         depending on cable quality		
Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         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	Locking material	
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	Material screw connection	-
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	Mounting method	inserted, screwed, Shaking protection
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	Operating temperature min.	-25 °C
Additional condition temperature range depending on cable quality	Operating temperature max.	
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Product standard

Cable

DIN EN 61076-2-101 (M12)

Cable	
Cable identification	223
Cable Type	2 (PUR/PVC)
Approval (cable)	UL (AWM-Style 20549/1731), CSA; CE conform
Cable weight [g/m]	35,97 g
Material wire	Cu wire, bare
Resistor (core)	max. 57 Ω/km (20 °C)
Single wire Ø (core)	0.1 mm
Construction (core)	42× 0.1 mm (multi-strand wire class 6)
Diameter (core)	3× 0.34 mm <sup>2</sup>
AWG	similar to AWG 22
Material wire isolation	PVC
Material property wire insulation	CFC-, cadmium-, silicone- and lead-free
Shore hardness wire isolation	43 ±5 D
Wire-Ø incl. isolation	1.25 mm ±5%
Color/numbering of wires	br, bk, bl
Stranding combination	3 wires twisted
Shield	no
Material jacket	PUR/PVC
Material property (jacket)	CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistant
Shore hardness jacket	80 ±5 A (PVC-under jacket); 85 ±5 A (PUR-jacket)
Outer-Ø (jacket)	4.3 mm ±5%
Color jacket	gray
chemical resistance	good resistance to oil, gasoline and chemicals
Nominal voltage	UL 300 V AC
Test voltage	2000 V AC
Current load capacity	to DIN VDE 0298-4
Temperature range (fixed)	-30+80 °C
Temperature range (mobile)	-5+80 °C
Bending radius (fixed)	10× outer Ø
Bending radius (dynamic)	15× outer Ø
No. of bending cycles (C-track)	max. 2 Mio. (25 °C)
Travel speed (C-track)	max. 3.3 m/s
Acceleration (C-track)	max. 5 m/s <sup>2</sup>

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