

## M12 female 0° A-cod. with cable shielded

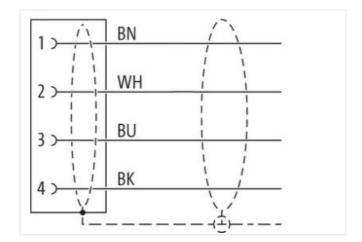
PVC 4x0.34 shielded gy 10m

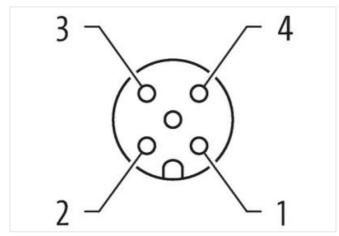
Female straight M12, 4-pole shielded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

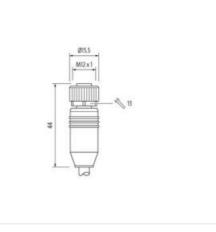
## Link to Product

Illustration









Product may differ from Image



Cable length

Side 1

10 m

Tightening torque

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: 2024-05-03

Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com

0,6 Nm



| Family construction form         M12           Prevail         M12 × 1           Coding         A           Material         PUIR           Wath across fulls         SW13           Darger of protection (EN IEC 60559)         IPE, IPES, IPES           Commercial data         22779218           ECLASSS.6.0         22779218           ECLASSS.6.0         22779218           ECLASSS.6.0         22779218           ECLASSS.6.0         22779218           ECLASSS.7.0         227690311           ECLASSS.7.0         27690511           ECLASSS.7.0         27605011           ECLASSS.7.0         1           Device preved Tomber         00 V           Dovice preved Tom Exercon         00 V  | Mounting method                          | inserted, screwed  |
|---|--|--|
| Cading     A       Material     PUR       Material     PUR       With access flats     SW13       Degree of protection (EN EC 60529)     IPES, IPEK, IPET       ECLASS-6.0     2727218       ECLASS-6.1     2727218       ECLASS-6.0     2727218       ECLASS-6.0     2727218       ECLASS-6.0     2727218       ECLASS-6.0     2727218       ECLASS-7.0     2727218       ECLASS-7.0     2727218       ECLASS-7.0     2727218       ECLASS-7.0     27090311       ECLASS-7.0     2709031       ECLASS-7.0     2709031       ECLASS-7.0     2709031       ECLASS-7.0     2709031       ETM-5.0     ECO01955       Castors fund number     8544290       GTM     40487202019       Packaging unit     1       Electrical diasi Supply     Electrical diasi Supply       Current operating values AC max.     80 V       Corrent operating values AC max.     80 V       Device protection  | Family construction form                 | M12  |
| Material         PUR           With actose flats         SW13           Degree of protection (EN EC 9058)         JIP65, IP67, IP67,           Commercial data         E           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         27279218           ECLASS-7.0         2729218           ECLASS-7.0         2729218           ECLASS-7.0         2729218           ECLASS-7.0         27960311           ECLASS-7.0         27600311           ECLASS-7.0         27600311           ECLASS-7.0         27600311           ECLASS-7.0         27600311           ECLASS-7.0         27600311           ECLASS-7.0         ECOUNTSS-           Construction         B644200           OTIM         404877920219           Packaging unit         1           Electrical data [Supply         Cancertogenaty ontage AC max.           B0 V         Concertogenaty ontage AC max.           Mouting dot Canx.         60 V           Current Operating ontagete contat max.   | Thread                                   | M12 x 1  |
| Width across flas         SW13           Dagma of protection (EN IEC 60529)         IP65, IP66K, IP67           Commancial dat         E           ECLASS 6.0         2779218           ECLASS 6.1         2779218           ECLASS 7.0         27060311           ECLASS 7.0         27060311           ECLASS 7.0         27060311           ECLASS 7.1         27060311           ECLASS 7.2         27060311           ECLASS 7.0         E0061855           extents furt further         8644200           GTIM         404867200219           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         60 V           Carrent operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Carrent operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Carrent operating voltage AC max.         60 V           Carrent operating voltage OT max.         4 A  | Coding                                   | A  |
| Degree of prolection (EN IEC 60528)         IP66, IP60K, IP67           Commercial data         P           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27260311           ECLASS 7.0         2760311           ECLASS 7.0         ECO01855           cuatons tarff number         8544290           GYIN         4049872900219           Packaging unit         1           Electrical data I Supply         Coperating voltage PC max.           Operating voltage PC max.         60 V           Commert Operating voltage PC max.         60 V           Comert Operating voltage PC max.         60 V           Comert Operating voltage PC max.         60 V           Comeret Operating voltage PC max.         60 V  | Material                                 | PUR  |
| Commercial data         27278218           ECLASS 6.0         27278218           ECLASS 7.0         27278218           ECLASS 8.0         27278218           ECLASS 8.0         27278218           ECLASS 8.0         27060311           ECLASS 7.0         805           Cautoms tarif number         5542420           GTM         4948872600219           Packaging unit         1           Edecrical GLAS SEQN         40           Corrent greating pace Task         60 V           Corrent greating pace Contact max.         4 A           Packaging unit gat         12 x 1           Device p  | Width across flats                       | SW13   |
| ECLASS 6.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         27279218           ECLASS 7.0         2729218           ECLASS 7.0         27060311           ECLASS 7.0         8001           custom staff number         4544230           GTN         404887800219           Packaging unit         1           Electrical cta 1 Supply         Operating voltage AC max.           Operating voltage AC max.         60 V           Additional condition protection degree         insorted, screwed           Philation 12 Condeclo   | Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67  |
| ECLASS 6.1         27279218           ECLASS 6.0         27279219           ECLASS 6.0         27279219           ECLASS 6.0         27279219           ECLASS 6.0         27279219           ECLASS 6.0         27060311           ECLASS 7.0         EC001865           oxatoms tariff number         8544230           Oxatoms tariff number         8544230           Packaging unit         1           Electrical data   Supply         Operating voltage AC max.           Operating voltage DC max.         60 V           Corrent operating por contact max.         4 A           Institution   Connection         M12 x 1           Device protection   Electrical         Addition protection degree           Addition protection degree         inserted, screwed           Palution Degree         3           Rest surge voltage         1.5 kV           Material group (EC 6064-1)         1           Mechanical data   Material data         Coating oching           Coating oching         inserted, screwed, Shaking protecton   | Commercial data                          |  |
| ECLASS-7.0     2729218       ECLASS-8.0     2779219       ECLASS-8.0     27790311       ECLASS-8.0.1     27060311       ECLASS-7.0     27060311       ETM-5.0     EC001685       catastm taiff number     8544290       GTN     40487920219       Packaging unt     1       Electrical data [Suppiy     Corrent operating par contact max.       Operating voltage DC max.     60 V       Current operating par contact max.     4 A       Installation [Connoction     Inserted, screwed       Paluion Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 06064-1)     1       Mechanical data [Meterial data]     Incide jataet       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     inickel glated       Coating fitting   | ECLASS-6.0                               | 27279218   |
| E0LASS-8.0         27279218           E0LASS-8.0         27060311           E0LASS-8.0         27060311           E0LASS-10.1         27060311           E0LASS-11.1         27060311           E0LASS-12.0         27060311           E0LASS-10.1         27060311           E0LASS-12.0         27060311           E0LASS-10.1         E001655           customs staff number         85444290           OTIM         404897920219           Packaging unit         1           Electrical data   Supply            Operating voltage DC max.         60 V           Operating voltage DC max.         61 V           Mouning set         M12 x 1           Device protection   Electrical         4.4           Additional condition protection degree         inserted, screwed           Polution Degree         9           Reled acurge voltage         1,5 kV           Material group (EC 60664-1)         1<   | 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-11.1         27060311           ECLASS-12.0         27060311           ETIM-8.0         EC001885           customs tarff mumber         B544290           GTIN         4048379200219           Packaging unit         1           Electrical data   Supply         Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage PC contax.         60 V           Corrent operating per contaxt max.         4 A           Installation   Connection         Marcer           Mounting set         M12 x 1           Device protection   Electrical data         Marcer           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (Els 6064-1)         1  | ECLASS-7.0                               | 27279218   |
| ECLASS-10.1         27660311           ECLASS-12.0         27660311           ECLASS-12.0         27660311           ETM-5.0         EC001855           customs tariff number         85444280           GTIN         404875200219           Packaging unit         1           Electrical datal Supply         Coperating voltage AC max.           Operating voltage AC max.         60 V           Coperating voltage DC max.         60 V           Coperating voltage DC max.         60 V           Corrent operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical         M12 x 1           Device protection legree         3           Rated surge voltage         1.5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Coating of fitting           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Coating of fitting         nickel plated           Coating of fitting         inserted. screwed, Shaking protection           Material group (EC 60664-1)         inserted. screwed, Shaking protection           Coating of fitting         nickel  | ECLASS-8.0                               | 27279218   |
| ECLASS-11.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         Caustoms tariff number       85444290         GTIN       4048879200219         Packaging unit       1         Electrical dal Supply       Electrical dal Supply         Operating voltage AC max.       60 V         Caurent operating per contact max.       60 V         Caurent operating per contact max.       40 A         Installation   Connection       Installation   Connection elegree         Mounting set       M12 x 1         Device protection   Electrical       Inserted. screwed         Additional condition protection degree       inserted. screwed         Dilution Dagree       3         Rated surge voltage       1.5 kV         Material group (EC 60664-1)       1         Mechanical data   Material data       Conteng octing on inckel plated         Locking material       Zinc die-casting         Material group (EC 60664-1)       Inserted, screwed, Shaking protection         Endering of fitting       nickeled         Coating of fitting       nickeled         Coating of fitting       nickeled         Coating of fitting<   | ECLASS-9.0                               | 27060311   |
| ECLASS-12.0         27660311           ETIM-5.0         EC001855           outstoms tailffrumber         8544290           GTIN         4048878200219           Packaging unit         1           Electrical data [Supply         Compariting voltage AC max.           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Current operating por contact max.         4 A           Installation   Connection         Mounting act           Mounting act         M12 x 1           Device protection   Electrical         Additional condition protection degree           Additional condition protection degree         1.5 kV           Material group (IEC 60664-1)         1           Material group contaction         Znc die-casting           Material group contaction         Znc die-casting           Material group contaction for Znc 4.25  | ECLASS-10.1                              | 27060311   |
| ETIM-S.0         EC001885           customs tailf number         85444290           GTIN         4048879200219           Packaging unit         1           Electrical data   Supply            Operating voltage AC max.         60 V           Current operating per contact max.         61 V           Installation   Connection         4 A           Installation   Electrical         MI2 x 1           Device protection   Electrical         Mathina + conting on protection degree           Additional condition protection degree         instarted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Coaling locking           Coaling locking         Nickeled           Coaling of fitting         nickel plated           Locking material         Zim die-casting           Mechanical data   Mounting data         Imserted, screwed, Shaking protection           Environmental characteristics   Gimatic         25 °C           Operating reparature min.         25 °C           Operating reparature max.         85 °C           Additional condition temperature may.         85 °C   | ECLASS-11.1                              | 27060311   |
| customs tariff number     85444290       GTIN     4048879200219       Packaging unit     1       Electrical dital [Supply       Operating voltage AC max.     60 V       Operating voltage DC max.     60 V       Current operating per contact max.     4 A       Installation   Connection     Mounting set       Munting set     M12 x 1       Device protection   Electrical     Additional condition protection degree       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 of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Material screw connection     Zinc die-casting       Mounting method     inserted, screwed, Shaking protection       Environmetal characteristics   Climatic     Commuting temperature max.       Operating temperature max.     85 °C       Additional condition temperature may     45 °C       Operating temperature max.     85 °C       Additional condition temperature may     64 Portect the connectors by suita  | ECLASS-12.0                              | 27060311   |
| GTIN       4048879200219         Packaging unit       1         Electrical data   Supply       Coperating voltage AC max.       60 V         Operating voltage AC max.       60 V       Coperating voltage AC 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 (UEG 60684-1)       1         Mechanical data   Material data       Coating of fitting         Coating of fitting       nickeled         Coating of fitting       nickeled         Coating of fitting       nickeled plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature max.         Operating temperature max.       85 °C         Additional condition temperature may       69 °C         Operating temperature max.       85 °C         Additinal condition temperature may       69   | ETIM-5.0                                 | EC001855   |
| Packaging unit       1         Electrical data   Supply       Operating voltage AC max.       60 V         Operating voltage DC max.       60 V         Current operating per contact max.       4 A         Installation   Connection       Installation   Connection         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of filing         Coating of filing       nickle plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Commental characteristics   Climatic         Uperating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important Installation notes       Important installation notes <td></td> <td>85444290</td>   |  | 85444290   |
| Electrical data   Supply         Operating voltage AC max.       60 V         Operating voltage AC max.       60 V         Current operating per contact max.       4 A         Installation   Connection       Installation notes         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         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 of filting         Coating of filting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Addition condition temperature range       depending on cable quality         Important Installation notes       Attending or Operating for easting radii when laying cables, as the IP protection class ca  |  | 4048879200219  |
| Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Current operating per contact max.         4 A           Installation   Connection         Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical         Installation   Connection           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60064-1)         I           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           Material screw de, screwed, Shaking protection         Environmental characteristics   Climatic           Operating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max.         85 °C           Additional condition temperature range         depending on cable quality           Important Installation notes         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endinagerate  | Packaging unit                           | 1  |
| 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)       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       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating meperature max.         0 S °C       Operating meperature 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 endangared by screessive bending forces.         Conformity       DIN EN 61076-2-101 (M12)       Installation IQ  | Electrical data   Supply                 |  |
| 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 of fitting       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       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating of mice plated inserted, screwed, Shaking protection       Coperating temperature max.     85 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending radii when laying cables, as the IP protection class can be endangered by exce  | Operating voltage AC max.                | 60 V   |
| Installation   Connection           Mounting set         M12 x 1           Device protection   Electrical         Inserted, screwed           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         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         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           -25 °C         Operating temperature max.           Additional condition temperature range         depending on cable quality           Important Installation notes         Notes on strain relief           Note on strain relief         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable fies.           Note on bending radius         Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangreed by excessive bending forces.           Conformity <t< td=""><td>Operating voltage DC max.</td><td>60 V</td></t<>  | Operating voltage DC max.                | 60 V   |
| Mounting set     M12 x 1       Device protection   Electrical     inserted, screwed       Additional condition protection degree     isserted, screwed       Pollution Degree     3       Rated surge voltage     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Coatting locking       Coatting locking     Nickeled       Coating locking     Nickeled       Coating locking     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Deprating temperature max.     85 °C       Operating temperature max.     85 °C       Additional condition temperature max.     85 °C       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable 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   | 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)         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         Coerding on cable quality           Important installation notes         S° C           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           Product standard         DIN EN 61076-2-101 (M12)  | 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         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking matrial       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Coating temperature min.         -25 °C       Operating temperature max.         Additional condition temperature range       depending on cable quality         Important installation notes       Note on bending radius         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         Product standard       DIN EN 61076-2-101 (M12)   | Mounting set                             | M12 x 1  |
| Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.         Conformity       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       DIN EN 61076-2-101 (M12)   | Device protection   Electrical           |  |
| Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking       Nickeled         Coating locking       Nickeled       Coating of fitting       nickel plated         Locking material       Zinc die-casting       Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting 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       Mote 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       DIN EN 61076-2-101 (M12)   | Additional condition protection degree   | inserted, screwed  |
| Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking       Nickeled         Coating locking       nickel plated       Coating material       Zinc die-casting         Material screw connection       Zinc die-casting       Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method       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       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       Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       IN EN 61076-2-101 (M12)  |  | 3  |
| Mechanical data   Material data           Coating locking         Nickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Operating temperature min.           -25 °C         Operating temperature max.           Additional condition temperature range         depending on cable quality           Important installation notes         Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.           Note on strain relief         Protect the connectors by suitable 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           Pinstallation   Cable         DIN EN 61076-2-101 (M12)  | Rated surge voltage                      | 1,5 kV   |
| Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         Additional condition temperature range       depending on cable quality         Important installation notes       Note on strain relief         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         Installation   Cable       DIN EN 61076-2-101 (M12)   | Material group (IEC 60664-1)             |  |
| Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       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         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         Installation   Cable       DIN EN 61076-2-101 (M12)  | Mechanical data   Material data          |  |
| 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         Important installation notes       Note on strain relief         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       DIN EN 61076-2-101 (M12)         Installation   Cable       DIN EN 61076-2-101 (M12)   | Coating locking                          | Nickeled   |
| 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.         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Mote on strain relief         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       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable  | Coating of fitting                       | nickel plated  |
| Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on strain relief       Protect the connectors by suitable 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       Protext for the connector state context or state contex or state context or s | Locking material                         | Zinc die-casting   |
| 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       Mounting radius         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         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable   | Material screw connection                | Zinc die-casting   |
| Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable  | Mechanical data   Mounting data          |  |
| Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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       Product standard         Product standard       DIN EN 61076-2-101 (M12)         Installation   Cable       Cable   | Mounting method                          | inserted, screwed, Shaking protection  |
| Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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       Product standard         DIN EN 61076-2-101 (M12)         Installation   Cable  | Environmental characteristics   Climatic |  |
| Operating temperature max.       85 °C         Additional condition temperature range       depending on cable quality         Important installation notes       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       Product standard         DIN EN 61076-2-101 (M12)         Installation   Cable  | Operating temperature min.               | -25 °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       Product standard         DIN EN 61076-2-101 (M12)         Installation   Cable  |  |  |
| 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       Product standard         DIN EN 61076-2-101 (M12)         Installation   Cable  |  | depending on cable quality   |
| 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       Cable       Conformity  |  |  |
| 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       Cable   |  | Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable tips |
| Note on behaling radius     endangered by excessive bending forces.       Conformity     Product standard       DIN EN 61076-2-101 (M12)       Installation   Cable   |  |  |
| Product standard DIN EN 61076-2-101 (M12) Installation   Cable  | Note on bending radius                   |  |
| Installation   Cable  | Conformity                               |  |
|   | Product standard                         | DIN EN 61076-2-101 (M12)   |
| Cable identification 330  | Installation   Cable                     |  |
|   | Cable identification                     | 330  |

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Murrelektronik Inc. | 1327 Northbrook Parkway, Suite 460 | Suwanee, GA 30024 | Fon +1 770 497-9292 | Fax +1 770 497-9391 | shop@murrinc.com | shop.murrinc.com



| Jacket Color                                      | gray   |
|---|--|
| Amount stranding                                  | 1  |
| Stranding   | 4 wires twisted                                      |
| Stranding factor min.                             | 74 mm  |
| Stranding factor max.                             | 74 mm  |
| Cable shielding (type)                            | copper braid, tinned                                 |
| Cable shielding (coverage)                        | 85 %   |
| Banding   | Fleece, Foil   |
| wire arrangement                                  | brown, black, blue, white                            |
| Cable weigth                                      | 53,9 g/m   |
| Material jacket                                   | PVC  |
| Shore hardness jacket                             | 85 Shore A   |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free                    |
| Outer-diameter (jacket)                           | 5,9 mm   |
| Tolerance outer diameter (sheath)                 | ±5%  |
| Material wire insulation                          | PVC  |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,4 mm   |
| Outer diameter tolerance core insulation          | ±5%  |
| Shore hardness wire insulation                    | 85 Shore A   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free                    |
| Amount strands (wire)                             | 42   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | strand class 6                                       |
| Max. rated voltage (conductor - conductor)        | 500 V  |
| Max. rated voltage (conductor - ground)           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4,8 A  |
| Electrical resistance line constant wire          | 57 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 1,5 kV @ 60 s  |
| 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)               | -30 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 70 °C  |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (fixed)                            |  |
| benuing radius (lixed)                            | 5 x Outer diameter                                   |

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