

## M12 female 0° A-cod. with cable

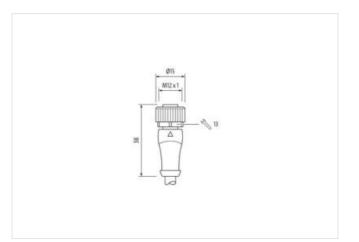
PUR 4x0.34 gy UL/CSA+drag ch. 2m

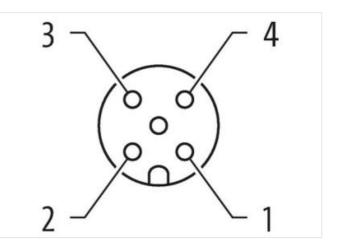
Female straight M12, 4-pole with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product









Product may differ from Image



| Cable length      | 2 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: 2024-05-18

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



| Family construction form       M12         Thread       M12 x 1         Bauble for corrugated tube (internal d?)       10 nm         Cacing       A         Material       PUR         With aroos flats       BW13         Degree of protection (EN EC 6020)       IP65, IP60K, IP67         Commercial dat       27279218         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27279218         ECLASS-7.0       27260311         ECLASS-7.0       27060311         ECLASS-7.0       27060311         ECLASS-7.0       27060311         ECLASS-7.1       27060311         E   | Mounting method                           | inserted, screwed   |
|--|---|---|
| saliable for corrugated table (informal 6)10 mmCodingAAMalarialPURWith accoss filesSW13Dogree or protection (EN EC 60269)IP68, IP607, IP67Commercial CB27279218ECLASS 6.027279218ECLASS 7.027279218ECLASS 6.027279218ECLASS 6.027279218ECLASS 6.027209311ECLASS 7.027090311ECLASS 7.027090311Colarge Contact max280 VOperating village AC max.280 VOperating village AC max.280 VOperating village AC max.280 VOperating village AC flass.90 VControl Electricat30 VActional Condition protection degreeinserted, screwedPatiliation Dovelation degreeinserted, screwed <t< td=""><td>Family construction form</td><td>M12</td></t<>   | Family construction form                  | M12   |
| Carding       A         Matarial       PUR         With across flats       SW13         Degree of protection (EN IEC 60529)       IPES, IPE6K, IP67         Commercial data       22729218         ECLASS 6.0       22729218         ECLASS 6.0       22729218         ECLASS 7.0       22729218         ECLASS 6.0       27279218         ECLASS 6.0       27060311         ECLASS 6.0       27060311         ECLASS 7.0       2707011         Operating voltage 0.0       2706031         Operating voltage 0.0       270         Operating voltage 0.0       270         Operating voltage 0.0       250 V <t< td=""><td>Thread</td><td>M12 x 1</td></t<>   | Thread                                    | M12 x 1   |
| Material       PUR         Wath across fluts       SW13         Degres of protection (EN LEC 60529)       IPS6, IPS7, IPS7         Commercial data       27279218         ECLASS-6.0       27279218         ECLASS-7.0       27279218         ECLASS-8.1       27279218         ECLASS-8.0       27279218         ECLASS-8.1       2726031         ECLASS-8.1.1       2706031         ECLASS-1.0.1       2706031         ECLASS-1.1       2706031         ECLASS       2706031 </td <td>suitable for corrugated tube (internal Ø)</td> <td>10 mm</td>   | suitable for corrugated tube (internal Ø) | 10 mm   |
| With across flats       SW13         Degree of protection (EN IEC 60529)       IPES, IPEK (IPE7         Commercial data       27279218         ECLASS 6.0       27279218         ECLASS 7.0       27260311         ECLASS 7.0       27060311         Packaging unit       1         Eccasting data f Supply       270         Operating voltage AC (Max.       250 V         Operating voltage AC (Max.       250 V         Operating voltage AC (UL-Isted)       30 V         Operating voltage OC (Max.  | Coding                                    | A   |
| Degree of protection (EN IEC 60529)       IP66, IP66K, IP67         Commercial data       FERENCIAL SERVICE         ECLASS 6.0       27279218         ECLASS 7.0       27260311         ECLASS 7.0       27060311         ECLASS 7.0       2706031         ECLASS 7.0       2706031         ECLASS 7.0       2706031         ECLASS 7.0       250 V         Operating voltage AC max.       250 V         Operating voltage PC (UL-listed)       30 V         Cournet operating voltage PC (UL-listed)       30 V         Operating voltage PC (UL-listed)       30 V         Moltional contion protection degree  | Material                                  | PUR   |
| Commercial data       Second Se | Width across flats                        | SW13  |
| CLASS 6.0       27279218         ECLASS 6.1       27279218         ECLASS 7.0       27060311         ECLASS 7.0       27060315         Ecuasion Conston       200         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Device protectio   | Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67   |
| ECLASS 6.1       27278218         ECLASS 7.0       27279218         ECLASS 7.0       27278218         ECLASS 7.0       27060311         ECLASS 7.0       27060311         ECLASS 7.0       27060311         ECLASS 7.0       27060311         ECLASS 7.1       27060311         ECLASS 7.0       EC001885         ECLASS 7.0       EC001855         ECLASS 7.0       40487212694         Packaging unit       1         Effectioal dia I Suppy       E         Operating voltage AC max.       250 V         Operating voltage AC (UL-lister)       30 V         Actional Condition Indecicical       Material score/vecd         Mouting set       M12 x 1         Device protection I Electricial       Material score/vecd   <  | Commercial data                           |   |
| ECLASS-7.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27279218         ECLASS-8.0       27090311         ECLASS-10.1       27090311         ECLASS-10.2       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETM-5.0       EC001856         Eustors tarff number       8544290         TSTN       404879212894         Packaging unit       1         Electrical data   Suppy       250 V         Operating voltage AC max.       250 V         Operating voltage AC (ML-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Molicing acting tin (Steted)       Steteed   | ECLASS-6.0                                | 27279218  |
| ECLASS 8.0       27279218         ECLASS 9.0       27060311         ECLASS 9.0       27060311         ECLASS 1.1       27060311         ECLASS 1.2.0       27060311         ECLASS 1.2.0       27060311         ECLASS 1.2.0       27060311         ECLASS 1.2.0       ECO10655         ECLASS 1.2.0       ECO10655         Eclast 1.1       404879212894         Packaging unit       1         Effectical data   Supply       Eclerical data   Supply         Operating voltage AC max.       250 V         Operating voltage AC (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         Current operating aper contact max.       4 A         Installion   Connection       Mit 2 x 1         Device protection felectrical       Mit 2 x 1         Additional condition protection degree       3         Analed surge voltage       2.5 kv         Material group (IEC 60664-1)       1         Material acreew connection       Zinc die-casting         Material acreew connection <td>ECLASS-6.1</td> <td>27279218</td>   | ECLASS-6.1                                | 27279218  |
| ECLASS 9.0       27060311         ECLASS 10.1       27060311         ECLASS 11.1       27060311         ECLASS 12.0       27060311         ECLASS 11.0       ECO01855         Satoms Laff number       85444290         Gataman State 11.0       4048678212894         Packaging unit       1         Electrical data [Supply       Deprating voltage AC max.         Operating voltage AC max.       250 V         Operating voltage AC max.       250 V         Operating voltage AC max.       250 V         Operating voltage AC max.       4 A         Installation [Connection       Material per contact max.         Valuing set       Mat 2 1         Device protection [Electrical       Material roup [Electrical         Material propulation voltación degree       inserted, screwed         Pollution Degree       3         Cataring of fittig       nickle plated         Locking material       Zinc die-casting         Material screw connection       <   | ECLASS-7.0                                | 27279218  |
| ECLASS-10.1       27060311         ECLASS-12.0       27060311         ECLASS-12.0       27060311         ETM-5.0       EC001855         sustoms tariff number       85444290         STIN       404897912694         Packaging unit       1         Electrical data   Supply   | ECLASS-8.0                                | 27279218  |
| ECLASS-11.1       27060311         ECLASS-12.0       27060311         ETIM 5.0       EC001855         usions tarff number       85444290         STIN       4048879212894         Packaging unit       1         Electrical data   Supply       Deprating voltage AC max.         250 V       Doprating voltage AC max.         250 V       30 V         Operating voltage AC max.       250 V         Operating voltage AC (LL-listed)       30 V         Operating voltage AC (LL-listed)       Inserted, screwed         Polution Degree       3         Rad surge voltage       2,5 kV   | ECLASS-9.0                                | 27060311  |
| ECLASS-12.0   27060311     ETIM-5.0   EC001855     sustoms taiff number   85444290     STIN   4048879212694     Packaging unk   1     Electrical data   Supply     Operating voltage AC max.   250 V     Operating voltage DC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   M12 x 1     Device protection   Electrical   M2 x 1     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (ICE 60664-1)   1     Device group (ICE 60664-1) <td>ECLASS-10.1</td> <td>27060311</td>   | ECLASS-10.1                               | 27060311  |
| ETIM-6.0   EC001855     customs tariff number   8544290     GTIN   4048879212694     Packaging unit   1     Electrical data   Supply      Operating voltage AC max.   250 V     Operating voltage AC max.   250 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC max.   250 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection      Bovice protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   1     Installed I Material data   Zinc die-casting     Mechanical data   Material data   Zinc die-casting     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   25 °C     Operating ungerature main.   -25 °C     Operating ungerature main.   -25 °C     Operating ungerature main.   -25 °C     Operating ungerature max.   85 °C     Additional condition temperature range   depending on cable qualit  | ECLASS-11.1                               | 27060311  |
| busins tariff number       8544290         GTIN       4048379212694         Packaging unit       1         Electrical data   Supply          Operating 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         Current operating per contact max.       4 A         Installetion   Connection          Mounting set       M12 x 1         Device protection   Electrical          Additional condition protecton 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       nickeled         Coating of titting       nickeled         Coating of titting       nickele plated         Coating of titting       niserted, screwed, Shaking protection         Material screw connection       Zinc die-casting         Metanical data   Mounting data   | ECLASS-12.0                               | 27060311  |
| CTIN   4048879212694     Packaging unit   1     Electrical data   Supply     Operating voltage AC max.   250 V     Operating voltage DC max.   250 V     Operating voltage AC (UL-listed)   30 V     Operating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   Installation   Connection     Mounting set   M12 x 1     Device protection   Electrical   Inserted, screwed     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   Incele plated     Coating of fitting   nickel plated     Coating of fitting   nickel plated     Coating of fitting   nickel plated     Coating of fitting   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Coating     Operating lemperature min.   -25 °C     Operating lemperature min.   -25 °C <   | 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 (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     4 A       Device protection   Electrical     Mounting set       Additional condition protection degree     inserted, screwed       Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (IEC 60684-1)     I       Meterial group (IEC 60684-1)     I       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Meterial screw connection     Zinc die-casting       Meterial group mature man.   | customs tariff number                     | 85444290  |
| Electrical data   Supply         Operating voltage AC max.       250 V         Operating voltage DC max.       250 V         Operating voltage AC (LI-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Weither Max (Max (Max (Max (Max (Max (Max (Max   | GTIN                                      | 4048879212694   |
| Operating voltage AC max.       250 V         Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Current operating voltage AC (UL-listed)       30 V         Current operating voltage AC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Max 1         Device protection   Electrical       Max 1         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (EC 60664-1)       1         Mechanical dat   Material data       Coating locking         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Mechanical data   Mounting data       Vertegree, screwed, Shaking protection         Environmental characteristics   Climatic       45 °C         Operating temperature min.       -25 °C         Operating temperature m  | 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     M12 x 1       Device protection   Electrical     4dditional condition protection degree       Voluting set     M12 x 1       Device protection   Electrical     4dditional condition protection degree       Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Mickeled       Coating of fitting     nickel plated       Coating of fitting     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 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.   | Electrical data   Supply                  |   |
| Depreating voltage AC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   M12 x 1     Device protection   Electrical   M12 x 1     Additional condition protection degree   inserted, screwed     Ollution Degree   3     Rated surge voltage   2,5 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data     Zoating of fitting   nickel plated     Coating of fitting   nickel plated     Coating of fitting   xinc die-casting     Material srew connection   Zinc die-casting     Mechanical data   Mounting data   Serewed, Shaking protection     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   25 °C     Operating temperature max.   85 °C     Additional condition notes   Vote on strain relief     Vote on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Vote on bending radius   Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  | Operating voltage AC max.                 | 250 V   |
| Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       M12 x 1         Device protection   Electrical       M12 x 1         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Methanical data   Material data       Methanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         cocking material       Zinc die-casting         Mechanical data   Mounting data       Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Jinserted, screwed, Shaking protection         Environmental characteristics   Climatic       Depending on cable quality         Deperating 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 strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  | Operating voltage DC max.                 | 250 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     2,5 kV       Methanical data   Material group (IEC 60664-1)     I       Mechanical data   Material data     Image: Contact max is a standard   | Operating voltage AC (UL-listed)          | 30 V  |
| Installation   Connection         Mounting set       M12 x 1         Device protection   Electrical       inserted, screwed         Additional condition protection degree       3         Rated surge voltage       2,5 kV         Metarial group (IEC 60664-1)       1         Mechanical data   Material data       Inserted, screwed         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       So °C         Operating temperature max.       85 °C         Additional condition notes       So °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.   | Operating voltage DC (UL-listed)          | 30 V  |
| Mounting set       M12 x 1         Device protection   Electrical       inserted, screwed         Additional condition protection degree       isserted, screwed         Pollution Degree       3         Rated surge voltage       2,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       iskeled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Mechanical data   Mounting data       Vickeled         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Vickeled         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       Vicket he 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 strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the u  | Current operating per contact max.        | 4 A   |
| 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       Inserted, screwed         Coating locking       Nickeled         Coating locking       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Soc         Operating temperature min.       -25 °C         Operating temperature max.       85 °C         Additional condition neteger       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.  | Installation   Connection                 |   |
| 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     Vickeled       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 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.   | Mounting set                              | M12 x 1   |
| Pollution Degree     3       Rated surge voltage     2,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Image: Stress of the stresstress of the stresstres of the stresstress of the stresstress of   | Device protection   Electrical            |   |
| Rated surge voltage     2,5 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     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       Important installation notes     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.   | Additional condition protection degree    | inserted, screwed   |
| Material group (IEC 60664-1)     I       Mechanical data   Material data     Vickeled       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mechanical data   Mounting data       Mounting method     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     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.   | Pollution Degree                          | 3   |
| Mechanical data   Material data       Coating locking     Nickeled       Coating of fitting     nickel plated       Coating 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     Volume       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.   | Rated surge voltage                       |   |
| Coating locking     Nickeled       Coating of fitting     nickel plated       Coating material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     inserted, screwed, Shaking protection       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.  | Material group (IEC 60664-1)              |   |
| Coating of fitting     nickel plated       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating temperature min.       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.   | Mechanical data   Material data           |   |
| 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     Deperating temperature min.       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 forces.  | Coating locking                           | Nickeled  |
| Material screw connection     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | Coating of fitting                        | nickel plated   |
| Material screw connection     Zinc die-casting       Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   |   |   |
| Mounting methodinserted, screwed, Shaking protectionEnvironmental characteristics   Climatic-25 °COperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | 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.  | 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.   | 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.   | Environmental characteristics   Climatic  |   |
| 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.   | Operating temperature min.                | -25 °C  |
| 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.   | Operating temperature max.                | 85 °C   |
| Note on strain reliefProtect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be<br>endangered by excessive bending forces.  | Additional condition temperature range    | depending on cable quality  |
| Attention:       Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | Important installation notes              |   |
| endangered by excessive bending forces.  | 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<br>endangered by excessive bending forces. |
| comoning   | Conformity                                |   |
| Product standard DIN EN 61076-2-101 (M12)  | Product standard                          | DIN EN 61076-2-101 (M12)  |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-18

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at



## Installation | Cable

| Installation   Cable                              |  |
|---|--|
| wire arrangement                                  | brown, black, blue, white                                      |
| Cable identification                              | 234  |
| Cable Type  | 3  |
| Jacket Color                                      | gray   |
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 1  |
| Stranding   | 4 wires twisted  |
| wire arrangement                                  | brown, black, blue, white                                      |
| Cable weigth                                      | 36,3 g/m   |
| Material jacket                                   | PUR  |
| Shore hardness jacket                             | 90 ± 5 Shore A   |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 4,5 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | PP   |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Shore hardness wire insulation                    | 70 ± 5 Shore D   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-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   |
| Nominal voltage AC max.                           | 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)                | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                              |
| Operating temperature min. (dynamic)              | -25 °C   |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                              |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   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           |
| Bending radius (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| No. of bending cycles (C-track)                   | 10 Mio. @ 25 °C  |
| Traversing distance (C-track)                     | 10 m @ 25 °C   horizontal                                      |
| Travel speed (C-track)                            | 3 m/s @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |
|   |  |

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: 2024-05-18

Murrelektronik GmbH | Office Park 4, 4.OG/Top A.45 | 1300 Wien-Flughafen | Fon +43 1 706 45 25-0 | Fax +43 1 706 45 25-300 | shop@murrelektronik.at | shop.murrelektronik.at