

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

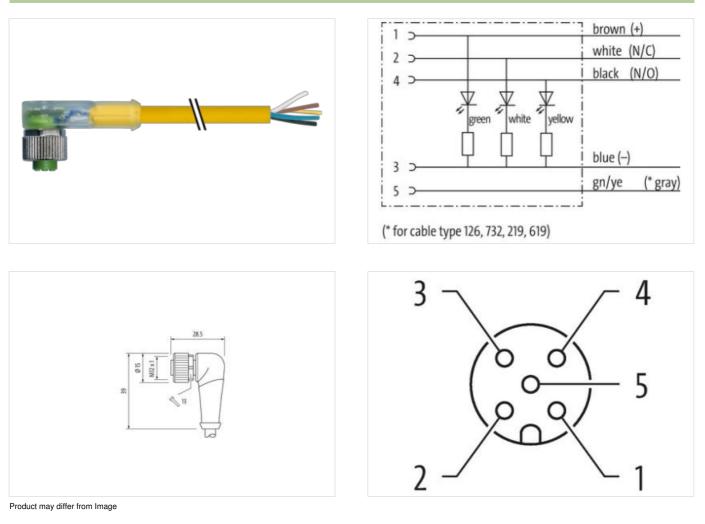
PUR 5x0.34 ye UL/CSA 25m

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

Female 90° M12, 5-pole 3× LED (PNP) Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration





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: 2024-04-25

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| uitable for corrugated tube (internal 0)10 mmDedingAMakiralPURMoth accoss fulsSW13Degree of protection (EN EC 6029)IB6, IF68K, IP67Commercial discoss fuls2727818SCASS 6.027278218SCASS 6.027278218SCASS 6.127278218SCASS 6.327278218SCASS 6.127278218SCASS 6.127278218SCASS 6.027060311SCASS 6.127060311SCASS 7.027060311SCASS 7.127060311SCASS 7.227060311SCASS 7.227060311SCASS 7.227060311SCASS 7.3EC01685SCASS 7.427060311SCASS 7.227060311SCASS 7.227060311SCASS 7.227060311SCASS 7.227060311SCASS 7.3EC01685SCASS 7.327060311SCASS 7.427060311SCASS 7.430 V<  | Cable length                              | 25 m                                  |
|--|---|---------------------------------------|
| Amening method         Mareled, sorwedd           Family construction form         Mi 2           Family construction form         Mi 2           Mareled         Mi 2           Mareled         Mi 2           Mareled         PUR           Mareled         PUR           Mareled         SW13           Sarger of prodection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         22278218           SCLASS 6.0         22278218           SCLASS 6.0         22278218           SCLASS 6.0         22278218           SCLASS 6.0         22278218           SCLASS 5.0         2278218           SCLASS 5.0         22760311           SCLASS 5.0         22060311           SCLASS 5.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.0         SCLASS 5.0           STM         40487920           STN         40487920           STN         40487920           Struk 5.0         SV2           Sparating voltapp DC <t< td=""><td>Side 1</td><td></td></t<>   | Side 1                                    |                                       |
| Amening method         Mareled, sorwedd           Family construction form         Mi 2           Family construction form         Mi 2           Mareled         Mi 2           Mareled         Mi 2           Mareled         PUR           Mareled         PUR           Mareled         SW13           Sarger of prodection (EN IEC 60529)         IP65, IP66K, IP67           Commercial data         22278218           SCLASS 6.0         22278218           SCLASS 6.0         22278218           SCLASS 6.0         22278218           SCLASS 6.0         22278218           SCLASS 5.0         2278218           SCLASS 5.0         22760311           SCLASS 5.0         22060311           SCLASS 5.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.1.0         20060311           SCLASS 5.0         SCLASS 5.0           STM         40487920           STN         40487920           STN         40487920           Struk 5.0         SV2           Sparating voltapp DC <t< td=""><td>Tightening torque</td><td>0.6 Nm</td></t<>  | Tightening torque                         | 0.6 Nm                                |
| amily construction from         M12           Inmad         M12 x 1           Liskle for conrugated tube (internal Q)         10 mm           Sading         A           Material         PUR           With accoss fats         SWIS           Sagree of protection (EN IEC 60529)         IPS6, IP66K, IP67           Commercial Stats         SWIS           Scalars         SWIS           Scala   |   |                                       |
| These         M12 × 1           atlable for corrugated tube (internal 0)         10 mm           Scring         A           Material         PUR           Workh and/ors flas         SW13           Scring of protection (EN IEC 60528)         IP65, IP60K, IP67           Commercial data         27279218           ScLASS A.0         27090311           ScLASS A.0         27090314           ScLASS A.0         27000315           ScLASS   |   |                                       |
| Zeifing         A           Attachail         PUR           Witch across fails         SW 13           Degree of protection (EN IEC 6052b)         IPES, IPESK, IPE7           Commercial data         C           CLASS-6.0         27279218           CLASS-6.0         27060311           CLASS-1.1         27060311           CLASS-1.2         27060311           CLASS-1.2         27060311           SCLASS-1.1         27060311           SCLASS-1.2         27060311           STM         404879820134           Passing unit         1           Electrical data I Suppiy         2           Status indication LSuppiy         2           Passing units DC         24 V           Sparating voltage DC         24 V           Sparating voltage DC         24 V           Sparating voltage DC Finix.         18 V           Deprestre   | Thread                                    | M12 x 1                               |
| Zeifing         A           Attachail         PUR           Witch across fails         SW 13           Degree of protection (EN IEC 6052b)         IPES, IPESK, IPE7           Commercial data         C           CLASS-6.0         27279218           CLASS-6.0         27060311           CLASS-1.1         27060311           CLASS-1.2         27060311           CLASS-1.2         27060311           SCLASS-1.1         27060311           SCLASS-1.2         27060311           STM         404879820134           Passing unit         1           Electrical data I Suppiy         2           Status indication LSuppiy         2           Passing units DC         24 V           Sparating voltage DC         24 V           Sparating voltage DC         24 V           Sparating voltage DC Finix.         18 V           Deprestre   | suitable for corrugated tube (internal Ø) | 10 mm                                 |
| With across fials         SW13           Pagres of protection (EN IEC 60529)         IP65. IP67.           Commercial data         E           ECLASS 6.0         27279218           ECLASS 6.1         27279218           ECLASS 6.0         27060311           ECLASS 7.0         27090311           Statiss Information         464920           Statiss Information         464920           Statiss Information Name         30 V           Electrical data [Suppiy         200907           Electrical data [Suppi y         30 V           Electrical data [Suppi y         30 V           Electrical data [Suppi y <td< td=""><td>Coding</td><td>Α</td></td<>  | Coding                                    | Α                                     |
| Degree of protection (EN IEC 60528)         IP65, IP66K, IP67           Commercial data         ECLASS 6.0         27278218           ECLASS 6.1         27278218         ECLASS 7.0         27278218           ECLASS 7.0         27278218         ECLASS 7.0         27278218           ECLASS 8.0.0         27278218         ECLASS 7.0         27278218           ECLASS 7.0         27278218         ECLASS 7.0         27278218           ECLASS 7.0         27278218         ECLASS 7.0         27060311           ECLASS 7.0         27060311         ECLASS 7.0         ECON3955           ECLASS 7.1         27060311         ECON3955         ECON3955           Eusdems tarff number         8544230         ECON3955         ECON3955           Eusdems tarff number         8544230         ECON3955         ECON3955           Eusdems tarff number         8544230         ECON3955         ECON3955           Eusdems tarf (unther         8544230         ECON3955         ECON3955           Eusdens targ (unther)         1         ECON3955         ECON3955           Eusdens (Unthieut)         30 V         ECON3955         ECON3955           Eusdens (Unthieut)         30 V         ECON3955         ECON3955 <t< td=""><td>Material</td><td>PUR</td></t<>   | Material                                  | PUR                                   |
| Commercial data         Curvasion         27279218           Curvasion         27279218         Curvasion         Cu   | Width across flats                        | SW13                                  |
| ECL ASS -6.027279218ECL ASS -6.127279218ECL ASS -6.127279218ECL ASS -8.027279218ECL ASS -8.027060311ECL ASS -8.027060311ECL ASS -1.127060311ECL ASS -1.227060311ECL ASS -1.227060311ECL ASS -1.227060311ECL ASS -1.227060311ECL ASS -1.227060311ECL ASS -1.127060311ECL ASS -1.227060311ECL ASS -1.22706031ECL ASS -1.22707031ECL ASS -1.22707031ECL ASS -1.22707031ECL ASS -1.22707031ECL ASS -1.22707031ECL ASS -1.227   | Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67                     |
| ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27060311           ECLASS 7.0         4048879820134           Packagi unit         1           Electrical data   Suppty         200           Deparating voltage DC         24 V           Operating voltage DC max. (UL-listed)         30 V           Darrent operating voltage DC max. (UL-listed)         30 V           Darrent operating voltage DC max. (UL-listed)         30 V           Externation Concentor         Molton Depresion           Restausi doching por ocentate max.         4 A <tr< td=""><td>Commercial data</td><td></td></tr<>  | Commercial data                           |                                       |
| ECLASS 6.1         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         27060311           ECLASS 7.0         4048879820134           Packagi unit         1           Electrical data   Suppty         200           Deparating voltage DC         24 V           Operating voltage DC max. (UL-listed)         30 V           Darrent operating voltage DC max. (UL-listed)         30 V           Darrent operating voltage DC max. (UL-listed)         30 V           Externation Concentor         Molton Depresion           Restausi doching por ocentate max.         4 A <tr< td=""><td>ECLASS-6.0</td><td>27279218</td></tr<>   | ECLASS-6.0                                | 27279218                              |
| ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 8.0         2706911           ECLASS 8.0         2706911           ECLASS 10.1         2706911           ECLASS 11.1         2706911           ECLASS 12.0         2706911           ECLASS 12.0         2706911           ECLASS 12.0         2706911           ECLASS 12.0         EC001865           sustoms taff number         8544290           ackaging unit         1           Electrical data   Supply         Electrical data   Supply           Deparating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Deparating voltage DC max.         10 V           Status indication LED         green. white. yellow           Installation   Connection         Mite x 1           Device protection   Electrical         Advection           Valtin   | ECLASS-6.1                                |                                       |
| ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           sustoms tarff number         85444290           Sataff Sa  | ECLASS-7.0                                | 27279218                              |
| ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-12.0         ECO01855           sustoms tarff number         8544220           Sarting Control         90           Sarting Control         90           Sarting Control         90           Sarting Portang Voltage DC max.         90 V           Sparating voltage DC max.         90 V           Stare totage contact max.         4 A      <  | ECLASS-8.0                                |                                       |
| ECLASS-11.1         27060311           ECLASS-12.0         27060311           ETIM-5.0         EC001865           Statustoms tarff number         8544290           STIN         4048879820134           Packaging unit         1           Electrical data   Supply         June 1           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics         green, white, yollow           Status indication LED         green, white, yollow           Installation   Connection         M12 x 1           Device protection   Electrical         M2 x 1           Additional condition protection degree         inserted, screwed           Polition Degree         3           Rate darg yoltage         0.8 k/V           Adderial group (IEC 60664-1)         1           Mechanical data   Material data         Zinc die-casting           Vance greew connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting           Material screw connection         Zinc die-casting </td <td>ECLASS-9.0</td> <td>27060311</td>   | ECLASS-9.0                                | 27060311                              |
| ECLASS-12.0         27060311           ETIM-5.0         EC001855           sustoms tariff number         85444290           STIN         4048979320134           Packaging unit         1           Electrical data   Supply         24 V           Operating voltage DC         24 V           Operating voltage DC max.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics         green, white, yellow           Status indication LED         green, white, yellow           Installation   Connection         412 x 1           Device protection   Electrical         424 x 1           Addition protection degree         inserted, screwed           Polution Degree         3           States indication tart descrewed         30 k V           Material group (EC 60664-1)         1           Mechacial data   Material data         Jone discusting           Coating of fitting         nickel plated           .coking material         Zinc discusting           .coking material         Zinc discusting           Material srew connection         Zinc discusting           .coking material         Since icasting   | ECLASS-10.1                               | 27060311                              |
| ETIM-5.0     EC001855       sustoms tariff number     85444290       STIN     404887820134       Packaging unit     1       Electrical data   Supply     Electrical data   Supply       Digrating voltage DC     24 V       Operating voltage DC max.     30 V       Derating voltage DC max.     4 A       Diagnostics     green, white, yellow       Installation   Connection     utim dication LED       Value protection   Electrical data     M12 x 1       Device protection   Geree     inserted, screwed       Pollution Degree     3       Palet surge voltage     0,8 kV       Atterial group (IEC 60664-1)     1       Material group (IEC 60664-1)     1       Material group (IEC 60664-1)     1       Diagnosting of fitting     nickel plated       Coating of fitting     nickel plated       Coating of fitting     inserted, screwed, Shaking protection   | ECLASS-11.1                               | 27060311                              |
| bustoms tariff number         8544290           STIN         4048879820134           Packaging unit         1           Electrical data   Supply         Supplexity           Operating voltage DC         24 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         4 A           Diagnostics         Status indication LED           Installation   Connection         green, white, yellow           Installation   Connection degree         instrate, screwed           Oblition Degree         3           Ratel surge voltage         0,8 kV           Additional condition protection degree         inserted, screwed           Olution Degree         3           Rated surge voltage         0,8 kV           Additional condition protection degree         inserted, screwed           Operating futting         inkeled           Coating of Kitting         inkeled           Coating of Kitting         inkeled           Coating of Kitting         inkeled           Coating of Kitting         inkele plated           .ooking material         Inc die-casting   | ECLASS-12.0                               | 27060311                              |
| STIN     4048879820134       Packaging unit     1       Electrical data   Supply       Deprating voltage DC     24 V       Operating voltage DC max.     18 V       Operating voltage DC max.     30 V       Deprating voltage DC max.     30 V       Durating voltage DC max.     14 A       Dagestic     30 V       Surrent operating per contact max.     4 A       Dagestics     green, white, yellow       Installation   Connection     green, white, yellow       Installation   Connection     M12 x 1       Device protection   Electrical     screwed       Polytion Degree     3  | ETIM-5.0                                  | EC001855                              |
| Packaging unit       1         Electrical data   Supply         Operating voltage DC       24 V         Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostics       green, white, yellow         Installation   Connection       green, white, yellow         Installation   Connection       M12 x 1         Device protection   Electrical       screwed         Polition Protection degree       inserted, screwed         Polition Degree       3         Status alorg voltage MI       Nickeled         Coating of fitting       nickel paleed         Coating of fitting       nickel paleed         Coating of fitting       nickel paleed         Coating of fitting       inserted, screwed, Shaking protection         Material screw connection       Zinc die-casting         Material screw connection       Since (screwed, Shaking protection         Deating upperature min.       -25 °C         Operating temperature max.       85 °O   | customs tariff number                     | 85444290                              |
| Electrical data   Supply         Operating voltage DC       24 V         Operating voltage DC min.       18 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       30 V         Operating voltage DC max.       4 A         Diagnostics       green, white, yellow         Installation   Connection       M12 x 1         Porce protection   Electrical       screwed         Voltion Bagree       3         Pollution Degree       3         Rated surge voltage       0,8 kV         Additional condition protection degree       1         Polluterion U(EC 60664-1)       1         Mechanical data   Material data       Jine de-casting         Mechanical data   Material data       Zinc die-casting         Mechanical data   Mounting data       Line die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatics       Site Site Site Site Site Site Site Site  | GTIN                                      | 4048879820134                         |
| Operating voltage DC         24 V           Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         30 V           Operating voltage DC max.         00 V           Current operating per contact max.         4 A           Diagnostics         green, white, yellow           Installation I Connection         green, white, yellow           Installation I Connection         M12 x 1           Device protection I Electrical         VAdditional condition protection degree           Volution pegree         3           Pollution Degree         3           Pollution Degree         3           Rated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         Counting           Coating of fitting         nickel plated           Coating of fitting         Zinc die-casting           Material screw connection         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Muterial screw connection         Zinc die-casting   | Packaging unit                            | 1                                     |
| Operating voltage DC min.         18 V           Operating voltage DC max.         30 V           Operating voltage DC max.         00 V           Outrent operating per contact max.         4 A           Diagnostics         green, white, yellow           Installation I Connection         green, white, yellow           Mounting set         M12 x 1           Device protection   Electrical         V           Volution protection degree         3           Pollution Degree         3           Pollution Degree         3           Rated surge voltage         0,8 kV           Valerial group (IEC 60664-1)         I           Mechanical data   Material data         Inc die-casting           Coating of fitting         nickel plated           Coaking material         Zinc die-casting           Material serw connection         Zinc die-casting           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Mechanical data   Mounting data         Inserted, screwed, Shaking protection           Deperating temperature main.         -25 °C   | Electrical data   Supply                  |                                       |
| Operating voltage DC max.         30 V           Operating voltage DC max. (UL-listed)         30 V           Durrent operating per contact max.         4 A           Diagnostics         green, white, yellow           Installation LED         green, white, yellow           Installation I Connection         M12 x 1           Device protection   Electrical         M12 x 1           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material data         Mcehanical data           Coating of fitting         nickeled           Coating of fitting         nickeled           Coating attrial screw connection         Zinc die-casting           Mechanical data   Mounting data         Vice -casting           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coating of fitting           Docking material         Zinc die-casting           Mechanical data   Mounting data         Screwed, Shaking protection           Environmental characteristics   Climatic         Coating of fitting           Operating temperature min.         -25 °C           Operating temperature max.         85 °C  <  | Operating voltage DC                      | 24 V                                  |
| Operating voltage DC max. (UL-listed)         30 V           Durrent operating per contact max.         4 A           Diagnostics         green, white, yellow           Installation   Connection         multipide set           Mounting set         M12 x 1           Device protection   Electrical         screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Scating           Coating of fitting         nickel plated           .ocking material         Zinc die-casting           Metarial screw connection         Linc die-casting           Metarial screw connection         Inserted, screwed, Shaking protection           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Directeristics           Operating temperature max.         85 °C  | Operating voltage DC min.                 | 18 V                                  |
| Durrent operating per contact max.       4 A         Diagnostics       green, white, yellow         Installation   Connection       Installation   Connection         Mounting set       M12 x 1         Device protection   Electrical       inserted, screwed         Additional condition protection degree       isserted, screwed         >ollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Inserted, screwed         Coating locking       Nickeled         Coating of fitting       nickel plated         coaking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C  | Operating voltage DC max.                 | 30 V                                  |
| Diagnostics           Status indication LED         green, white, yellow           Installation   Connection         M12 x 1           Mounting set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         3           Pated surge voltage         0.8 kV           Ated surge voltage         0.8 kV           Aterial group (IEC 60664-1)         1           Mechanical data   Material data         Veloce           Coating locking         Nickeled           Coating locking         Nickeled           Coating screw connection         Zinc die-casting           Mechanical data   Mounting data         Screwed, Shaking protection           Poreating temperature min.         -25 °C           Operating temperature max.         85 °C   | Operating voltage DC max. (UL-listed)     | 30 V                                  |
| Status indication LED       green, white, yellow         Installation   Connection       M12 x 1         Device protection   Electrical       inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       0.8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       V         Coating locking       Nickeled         Coating of fitting       nickel plated         coating arerial       Zinc die-casting         Material screw connection       Iserted, screwed, Shaking protection         Methanical data   Mounting data       Sizerted, screwed, Shaking protection         Coperating temperature min.       -25 °C         Operating temperature min.       -25 °C         Operating temperature min.       -25 °C   | 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         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Vickeled           Coating locking         Nickeled           Coating of fitting         nickel plated           Joint casting         Zinc die-casting           Mechanical data   Mounting data         Vickeled           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Zinc die-casting           Deperating temperature min.         -25 °C           Operating temperature max.         85 °C  | Diagnostics                               |                                       |
| Mounting set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Pated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         I           Coating locking         Nickeled           Coating locking         nickel plated           Coating set wonnection         Zinc die-casting           Meterial 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   | Status indication LED                     | green, white, yellow                  |
| Mounting set         M12 x 1           Device protection   Electrical         inserted, screwed           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Pated surge voltage         0.8 kV           Material group (IEC 60664-1)         I           Mechanical data   Material data         I           Coating locking         Nickeled           Coating locking         nickel plated           Coating set wonnection         Zinc die-casting           Meterial 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   | Installation   Connection                 |                                       |
| Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Bated surge voltage         0,8 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Image: Control of Con |   | M12 x 1                               |
| Additional condition protection degree       inserted, screwed         Pollution Degree       3         Bated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating locking       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Vounting method         Polenting temperature min.       -25 °C         Operating temperature max.       85 °C   | -   |                                       |
| Pollution Degree       3         Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data   | •   |                                       |
| Rated surge voltage       0,8 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nickeled         Coating of fitting       nickel plated         cocking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C  |   |                                       |
| Material group (IEC 60664-1)       I         Mechanical data   Material data       Nickeled         Coating locking       Nickeled         Coating of fitting       nickel plated         cocking material       Zinc die-casting         Meterial screw connection       Zinc die-casting         Mechanical data   Mounting data       Mounting method         Inserted, screwed, Shaking protection       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature max.       85 °C  |   |                                       |
| Mechanical data   Material data         Coating locking       Nickeled         Coating of fitting       nickel plated         Cocking material       Zinc die-casting         Methanical data   Mounting data       Zinc die-casting         Mechanical data   Mounting data       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C  |   |                                       |
| Coating locking       Nickeled         Coating of fitting       nickel plated         Cocking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Jinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C   |   |                                       |
| Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C   |   |                                       |
| Jocking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       -25 °C         Operating temperature min.       -25 °C         Operating temperature max.       85 °C  | Coating locking                           |                                       |
| Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C  |   |                                       |
| Mechanical data   Mounting data         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C  |   |                                       |
| Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     -25 °C       Operating temperature min.     -25 °C       Operating temperature max.     85 °C   |   | Zinc die-casting                      |
| Environmental characteristics   Climatic         Operating temperature min.       -25 °C         Operating temperature max.       85 °C  | Mechanical data   Mounting data           |                                       |
| Operating temperature min.     -25 °C       Operating temperature max.     85 °C   | Mounting method                           | inserted, screwed, Shaking protection |
| Deperating temperature max. 85 °C  | Environmental characteristics   Climatic  |                                       |
|  | Operating temperature min.                | -25 °C                                |
| Additional condition temperature range depending on cable quality  | Operating temperature max.                | 85 °C                                 |
|  | Additional condition temperature range    | depending on cable quality            |

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## Conformity

| Product standard                                | DIN EN 61076-2-101 (M12)                                       |
|---|--|
| Installation   Cable                            |  |
| Cable identification                            | 834  |
| Jacket Color                                    | blue   |
| Type of Certificate                             | cURus  |
| Amount stranding                                | 1  |
| Stranding                                       | 2 wires twisted  |
| Amount stranding (type 2)                       | 1  |
| Stranding (type 2)                              | 2 Stranded joints twisted                                      |
| Cable shielding (type)                          | copper braid, tinned   |
| Cable shielding (coverage)                      | 65 %   |
|   | Foil   |
| Banding   | 22 AWG   |
| Drain wire (cross-section)                      |  |
| wire arrangement                                | (white, blue), (black, red)                                    |
| No. of bending cycles (C-track)                 | 1 Mio.   |
| Cable weigth                                    | 63,12 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)                         | 6,9 mm   |
| Tolerance outer diameter (sheath)               | ±5%  |
| Material wire insulation                        | PE   |
| Amount wires                                    | 2  |
| Outer diameter insulation                       | 2,1 mm   |
| Outer diameter tolerance core insulation        | ±5%  |
| Shore hardness wire insulation                  | 64 ± 5 Shore D   |
| Ingredient freeness wire insulation             | lead-free, CFC-free, halogen-free                              |
| Amount strands (wire)                           | 19   |
| Diameter of single wires                        | 24 AWG   |
| Conductor crosssection (wire)                   | 24 AWG   |
| Drain wire (cross-section)                      | 22 AWG   |
| Material conductor wire                         | copper stranded wire, tinned                                   |
| Electrical function wire                        | Data   |
| Material wire insulation (Data)                 | PE   |
| Outer diameter wire insulation (Data)           | 1,5 mm   |
| Tolerance outer diameter wire insulation (data) | ± 53 %   |
| Ingredient freeness wire insulation (Data)      | lead-free, CFC-free, halogen-free                              |
| Amount wires (Data)                             | 2  |
| Amount strands wire (Data)                      | 19   |
| Diameter of single wires (Data)                 | 22 AWG   |
| Conductor crosssection wire (Data)              | 22 AWG   |
| Material conductor wire (Data)                  | copper stranded wire, tinned                                   |
| Electrical function wire (data)                 | Power  |
| Traversing distance (C-track)                   | 5 m  |
| Current load capacity (standard)                | to DIN VDE 0298-4  |
| Current load capacity min. wire                 | 4,5 A  |
| Current load capacity min. Wire (Data)          | 6 A  |
| Electrical function wire                        | Data   |
| Electrical function wire (data)                 | Power  |
| Characteristic impedance                        | 120 Ω ± 10 % @ 1 MHz   |
| Electrical resistance line constant wire        | 78 Ω/km  |
| Electrical resistance coating wire (Data)       | 76 Ω/km  |
| LIGUNUAI IESISIANUE UUAIINY WILE (D'Alà)        |  |

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| Nominal voltage power AC max.              | 300 V  |
|--|--|
| Electric capacitance (power)               | 40000 pF/km  |
| AC withstand voltage power (wire - shield) | 2 kV @ 60 s  |
| AC withstand voltage power (wire - wire)   | 2 kV @ 60 s  |
| Min. operating temperature (static)        | -40 °C   |
| Max. operating temperature (fixed)         | 80 °C  |
| Operating temperature min. (dynamic)       | -30 °C   |
| Operating temperature max. (dynamic)       | 70 °C  |
| Flame resistance                           | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |
| chemical resistance                        | Good, application-related testing                    |
| Gasoline resistance                        | Good, application-related testing                    |
| Oil resistance                             | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (installation)              | x Outer diameter                                     |
| Bending radius (fixed)                     | 6 x Outer diameter                                   |
| Bending radius (dynamic)                   | 10 x Outer diameter                                  |
| No. of torsion cycles                      | 2 Mio.   |
| Torsion speed                              | 35 cycles/min  |
| Tausian stuars                             |  |

Torsion stress

± 30 °/m

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