

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

PUR 4x0.34 shielded gy UL/CSA 3m

## **⚠ NOTICE ⚠**

# PRODUCT WILL BE DISCONTINUED BY JUNE 2023. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.

Female 90°

M12, 4-pole

shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

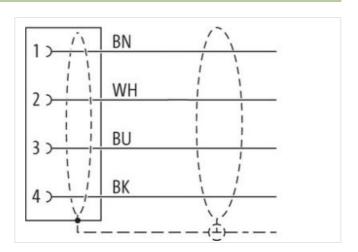
The resistance to aggressive media should be individually tested for your application. Further details on request.

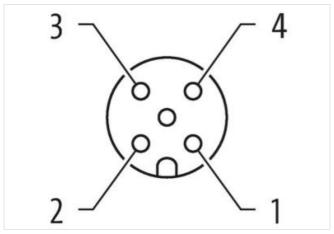
Further cable lengths on request.

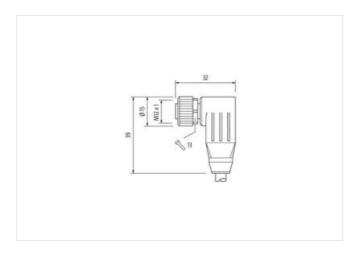
## **Link to Product**

### Illustration









Product may differ from Image















stay connected

| Mounting method         invented, serveed           Family construction from         M12           Throad         M12 x1           Coding         A           Material         PUR           Will across lists         SW13           Degree of protection (EN IEC 8052)         P86, P96K, IP67           Commercial data         Commercial data           ECLASS 6.0         2779218           ECLASS 7.0         2779218           ECLASS 8.0         2779218           ECLASS 9.0         27060011           ECLASS 9.0         27060011           ECLASS 9.1         27060011           ECLASS 9.1.1         27060011           ECLASS 9.2         27060011           ECLASS 9.3         27060011           ECLASS 9.4         27060011           ECLASS 9.1         27060011           ECLASS 9.0         27060011           ECLASS 9.0         27060011           ECLASS 9.1         27060011           ECLASS 9.2         27060011           ECLASS 9.3         47060011           ECLASS 9.4         47060011           ECLASS 9.5         47060011           ECLASS 9.6         47070011           Depart 1   | Cable length                             | 3 m  |
|--|--|--|
| Mouning method   | Side 1                                   |  |
| Family construction form M12 x 1 Coding A  Mil2 x 1 Coding A  A  Material PUR  Width across filels Siy13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67  Commercial data  ECLASS-0 27279218 ECLASS-0 27279218 ECLASS-0 27279218 ECLASS-0 27279218 ECLASS-0 27279218 ECLASS-0 27090311 ECLASS-10 1 27090311 ECLASS-10 2 270903 | Tightening torque                        | 0,6 Nm   |
| Treest   | Mounting method                          | inserted, screwed  |
| Coding   | Family construction form                 | M12  |
| Medicaria  | Thread                                   | M12 x 1  |
| Width across flats         SW13           Degree of protection (ENIEC 60529)         PB5, IP66K, IP67           Commercial date         Commercial date           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-9.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.2         27060311           ECLASS-12.0         27060311           ECLASS-12.0         27060311           ECLASS-10.1         27060311           ECLASS-10.2         27060311           ECLASS-10.3         27060311           ECLASS-10.4         27060311           ECLASS-10.7         ECOMISS           Destroy         PORTAIN (AURIE AURIE Aur   | Coding                                   | A  |
| Pegre of protection (EN IEC 66529)   | Material                                 | PUR  |
| Commercial data           ECLASS 8.0         27279218           ECLASS 7.0         27279218           ECLASS 8.0         27279218           ECLASS 9.0         27060311           ECLASS 9.0         27060311           ECLASS 9.1         27060311           ECLASS 9.1.0         27060311           ECLASS 9.1.0         27060311           ECLASS 9.0         ECOMBS           sustoms sairf number         85444290           GTIN         4048879434300           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (Li-listed)         30 V           Operating voltage AC (Li-listed)         30 V           Current operating per contact max.         4 A           Mounting set         M12 x 1           Device protection   Electrical         M2 x 1           Device protection   Electrical         1.5 kV           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Radia surge voltage         1.5 kV           Malarieri group (EC 60664.1)         1   | Width across flats                       | SW13   |
| ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-10.1 27060311 ECLASS-11.1 2706031 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 1 2000311 ECLAS-12.0 1 2000311 ECLAS-12.0 1 2000311 ECLAS-12.0 1 2000311 ECLAS-12.0 1 2000311 | Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67  |
| ECLASS 7.0 27279218  ECLASS 8.0 27279218  ECLASS 9.0 27060311  ECLASS 11.1 27060311  ECLASS 11.1 27060311  ECLASS 11.1 27060311  ECLASS 11.1 27060311  ETIM-5.0 ECONSTAIL 2706031  ETIM-5.0 ECONSTAIL  | Commercial data                          |  |
| ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-10.1         27060311           ECLASS-11.1         27060311           ECLASS-12.0         27060311           ECLASS-17.0         ECOINSS-           EIMIM-5.0         ECOINSS-           Dustons tarlf number         85444290           GTIN         4048879434300           Packaging unt         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Voltion Degree         3           Rated suge voltage         1,5 kV           Material screw (EC 8064+1)         1           Mechanical data   Material data         Vickeled           Coating of lifting         nickel plated           Locking material         Zinc die-casting           <  | ECLASS-6.0                               | 27279218   |
| ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27080311 ECLASS-12.0 27060311 ECLASS-12.0 27060311 ECLASS-12.0 1 2706031 ECLASS-12.0 | ECLASS-7.0                               | 27279218   |
| ECLASS-10.1 27060311 ECLASS-12.0 27060311 ETIM-5.0 EC001855  Dustorns tariff number 85444290 GTIN 4048879434300 Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating to contact max. 65 C  Additional condition temperature range depending on cable quality  Important installation notes  Note on bending radius Alterial contacts and 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 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 excessive bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  | ECLASS-8.0                               | 27279218   |
| ECLASS-1.1.1         27060311           ECLASS-12.0         27060311           ECHASS-12.0         EC01855           customs tariff number         85444290           GTIN         4048879434300           Peckaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC QLU. Listed)         30 V           Operating voltage DC max.         60 V           Operating voltage pc QLU. Listed)         30 V           Operating voltage pc contact max.         4 A           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)         I           Mechanical data   Material data         Cocating locking           Coating locking         Nickeled           Coating locking         nickel plated           Locking material         Zinc die-casting           Material screw connection         Zinc die-casting           Material of Munting data         Mechanical data   Munting data           Mecha  | ECLASS-9.0                               | 27060311   |
| ECILAS-12.0         27060311           ETIM-5.0         EC001855           seatotins tariff number         85444290           GTIN         4048879434300           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Operating voltage PC (UL-listed)         30 V           Current operating per contact max.         4 A           Installation   Connection         M12 x 1           Device protection   Electrical           Additional condition protection degree         inserted, screwed           Pollution Degree         3           Rated surge voltage         1,5 kV           Material group (EC 60664-1)         1           Mechanical data   Material data         Vickeled           Coating of fitting         nickel plated           Locking material         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         Mounting method           Mounting method         inserted, screwed. Shaking protection           Environmental characteristics   | ECLASS-10.1                              | 27060311   |
| ETIM-5.0         EC001855           customs tariff number         85444290           GTIN         4048879434300           Packaging unit         1           Electrical data   Supply         Deparating voltage AC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating voltage DC (UL-listed)         30 V           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         1,5 kV           Material group (IEC 60664-1)         1           Mechanical data   Material data         Nickeled           Coating locking         Nickeled           Coating lotking         nickel plated           Locking material         Zinc die-casting           Methanical data   Mounting data         Mickel plated           Mounting method         inserted, screwed, Shaking protection           Environmental characteristics   Climatic         Coperating temperature min.         -25 °C           Operating temperature min.         -25 °C           Operating temperature max </td <td>ECLASS-11.1</td> <td>27060311</td>  | ECLASS-11.1                              | 27060311   |
| customs tariff number         85444290           GTIN         4048879434300           Packaging unit         1           Electrical data   Supply           Operating voltage AC max.         60 V           Operating voltage DC max.         60 V           Operating voltage DC (UL-listed)         30 V           Operating per contact max.         4 A           Installation   Connection         Mult x 1           Mounting set         M12 x 1           Device protection   Electrical         Additional condition protection degree           Pollution Degree         3           Raled surge voltage         1,5 kV           Material group (IEC 66664-1)         1           Mechanical data   Material data         Locking focking           Coating locking         Nickeled           Coating locking         Nickeled           Coating locking miderial data   Material data         Zinc die-casting           Mechanical data   Mounting data         Zinc die-casting           Mechanical data   Mounting data         Mounting method           Mechanical data   Mounting data         Sis "C           Operating temperature min.         25 "C           Operating temperature min.         25 "C           Operating temperature man.  | ECLASS-12.0                              | 27060311   |
| GTIN 404879434300 Packaign unit 1 Electrical data   Supply Operating voltage AC max. 60 V Operating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC max. 4A Installation   Connection  Mounting set M12 x 1  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage Rated surge voltage Material group (IEC 60664-1) 1 Installation   Instruction of Rickeled Coating of Riting inckel plated Locking material   Zinc die-casting Material screw connection   Zinc die-casting Material | ETIM-5.0                                 | EC001855   |
| Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC (IU-listed) 30 V  Operating voltage DC (IU-listed) 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 locking Nickeled  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Poperating temperature mix. 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | customs tariff number                    | 85444290   |
| Electrical data   Supply Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage DC max. 60 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 4A  Installation   Connection Wounting 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) I  Mechanical data   Material data  Coating locking Nickeled Coating of fiting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Poperating temperature mix. 25 °C  Operating temperature max. 35 °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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | GTIN                                     | 4048879434300  |
| Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V 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) I  Mechanical data   Material data  Coating locking Nickeled  Coating of fitting nickel plated Locking material Zinc die-casting  Methanical data   Mounting data  Mechanical data   Mounting data | Packaging unit                           | 1  |
| Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V 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) I  Mechanical data   Material data  Coating of fitting nickel plated Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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  | Electrical data   Supply                 |  |
| Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 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) I  Mechanical data   Material data  Coating locking nickel plated Locking material  Ecoking material  Sorie connection Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  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 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 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 AC max.                | 60 V   |
| Operating voltage DC (UL-listed) 30 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) I  Mechanical data   Material data  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition notes  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.  | 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) I  Mechanical data   Material data  Coating locking nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Methanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deprating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition notes  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.  | Operating voltage AC (UL-listed)         | 30 V   |
| 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) I  Mechanical data   Material dta  Coating locking Nickeled  Coating locking nickel plated Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Deperating temperature min. 25 °C  Operating temperature max. 85 °C  Additional condition notes  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.  | Operating voltage DC (UL-listed)         | 30 V   |
| Mounting set M12 x 1  Pevice protection   Electrical  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 Nickeled  Coating of fitting nickel plated  Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature 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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | 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) I  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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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 1,5 kV  Material group (IEC 60664-1) I  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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °C  Operating temperature max. 85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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 1,5 kV  Material group (IEC 60664-1) I  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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  | Device protection   Electrical           |  |
| Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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)  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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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 Locking material Zinc die-casting Material screw connection Zinc die-casting  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  | 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  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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 Locking material Zinc die-casting  Material screw connection Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min25 °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.  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  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.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   | Coating locking                          | Nickeled   |
| Locking material  Zinc die-casting  Material screw connection  Zinc die-casting  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection  Environmental characteristics   Climatic  Operating temperature min.  -25 °C  Operating temperature max.  85 °C  Additional condition temperature range depending on cable quality  Important installation notes  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.   | Coating of fitting                       | nickel plated  |
| Material screw connection  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  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.   | 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  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.   | 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  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  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.  | Mounting method                          | inserted, screwed, Shaking protection  |
| 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.  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.  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.  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 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.   | Additional condition temperature range   | depending on cable quality   |
| 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.   | Important installation notes             |  |
| 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.   | 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 |
|  | Conformity                               |  |



stay connected

| Installation   Cable                              |  |
|---|--|
| Cable identification                              | 335  |
| Jacket Color                                      | gray   |
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 1  |
| Stranding   | 4 wires twisted  |
| Cable shielding (type)                            | copper braid, tinned   |
| Cable shielding (coverage)                        | 85 %   |
| Banding   | Fleece, Foil   |
| wire arrangement                                  | brown, black, blue, white                                      |
| Cable weigth                                      | 56,1 g/m   |
| Material jacket                                   | PUR  |
| Shore hardness jacket                             | 85 ± 3 Shore A   |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 5,9 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | PP   |
| Amount wires                                      | 4  |
| Outer diameter insulation                         | 1,55 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Shore hardness wire insulation                    | 72 ± 3 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          | 52 Ω/km @ 20 °C  |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -20 °C   |
| Operating temperature max. (dynamic)              | 80 °C  |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090            |
| chemical resistance                               | Good, application-related testing                              |
| Gasoline resistance                               | Good, application-related testing                              |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing           |
| Bending radius (dynamic)                          | 10 x Outer diameter  |