

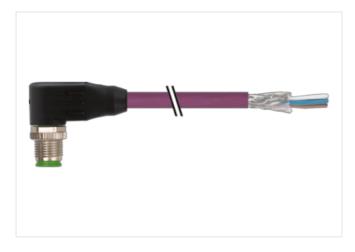
## M12 male 90° A-cod. with cable

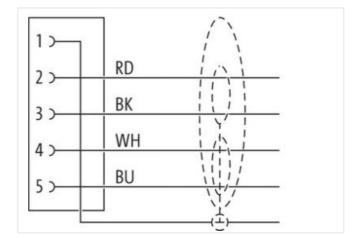
PUR AWG24+22 shielded vt UL/CSA+drag ch. 5m

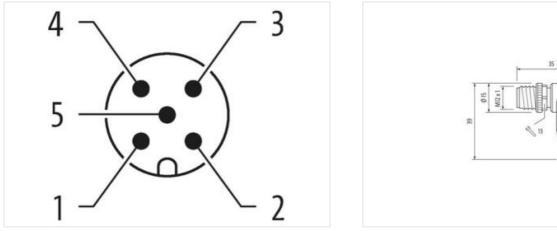
DeviceNet, CANopen Male 90° M12, 5-pole shielded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-30

5 m

0,6 Nm

Murrelektronik ApS | Alexander Foss Gade 13, 1. | 9000 Aalborg | Fon +45 96 35 06 06 | Fax | shop@murrelektronik.dk | shop.murrelektronik.dk



Thread       M12 x 1         Coding       A         Material       PUR         Width across flata       SW13         Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Side 2       Stripping length (facket)         Stripping length (facket)       20 mm         Commercial data       E         ECLASS-0.0       27061801         ECLASS-0.0       27061801         ECLASS-0.0       27061801         ECLASS-0.0       27060307         ECLASS-1.0.1       27060307         ECLASS-1.0.2       27060307         ECLASS-1.0.1       27060307    <	Mounting method	inserted, screwed	
Carding       A         Material       PUR         Wath across faits       SW13         Degree of protection (EN IEC 0528)       IPES, IPESK, IPE7         Side 2       Stopping length (acros)       20 mm         Commonical data       200610       200610         EGLASS 7.0       27061501       2006101         ECLASS 8.0       27061501       2006007         ECLASS 7.0       27060307       2006100         ECLASS 7.0       27060307       20060307         ECLASS 7.0       27060307       2006307         ECLASS 7.0       27060307       20060307         ECLASS 7.0       27060307       2006307         ECLASS 7.0       27060307       2006307         ECLASS 7.0       27060307       2006307         ECLASS 7.0       27060307       20073         EDVERASS 72000714	Family construction form	M12	
Material       PUR         With across flats       SW13         Degree of protector, (EN EC 6052)       IPBS, PR6K, PR67         Side 2       Supprotector, (EN EC 6052)         Side 2       Supprotector, (EN EC 6052)         Side 2       Supprotector, (EN EC 6052)         Commercial dat       ECLASS 7.0         ECLASS 7.0       27061801         ECLASS 7.0       27061801         ECLASS 7.0       27060307         Departing voltage AC max.       60 V         Operating voltage AC UL-Linesto	Thread	M12 x 1	
Wath across fails       SW13         Darges of protection (EN IEC 60529)       IP68, IP67, IP67         Stripping length (jacker)       20 mm         Commercial data       E         ECLASS 6.0       27061801         ECLASS 6.0       27061801         ECLASS 8.0       27061801         ECLASS 8.0       27061801         ECLASS 8.0       27061801         ECLASS 8.10       27068007         ECLASS 8.10       27068007         ECLASS 8.12.0       27068007         ECLASS 8.12.0       27068007         ECLASS 8.12.0       27068007         ECLASS 9.11       27069007         ECLASS 9.12       27068007         ECLASS 9.10       27068007         ECLASS 9.11       27069007         ECLASS 9.10       27068007         ECLASS 9.11       27069007         ECLASS 9.10       27069007         ECLASS 9.11       1         EDeclass 10.0       ECOLEXS 9.11         ECLASS 9.10       1         Electical data   Suppiv       60 V         Operating voltage AC (ILL-Instein)       90 V         Operating voltage AC (ILL-Instein) <td>Coding</td> <td>A</td>	Coding	A	
Degree of protection (EN IEC 60529)       IP65, IP66K, IP67         Side 2         Sinping longh (jackn)       20 mm         Commercial data       E         EGLASS 6.0       27061801         EGLASS 7.0       2706007         EGLASS 7.0       27060007         EGLASS 7.0       27060007         EGLASS 7.0       27060007         Eduasing 0.0       0.0 <tr< td=""><td>Material</td><td>PUR</td></tr<>	Material	PUR	
SHe 2Stropping (skoki)20 nmCommercial data2006 101CALASS 4.02706 1801CALASS 4.02706 1801CALASS 4.02706 1801CALASS 4.02706 1801CALASS 4.0.12706 0807CALASS 4.0.12706 0807CALASS 1.02706 0807CALASS 1.02706 0807CALASS 1.02706 0807CALASS 1.02706 0807CALASS 1.02706 0807CALASS 1.02706 0807CALASS 1.02606 0807CALASS 1.02606 0807CALASS 1.02606 0807CALASS 1.02600 0807CALASS 1.0 <td< td=""><td>Width across flats</td><td>SW13</td></td<>	Width across flats	SW13	
Stepping length (jacker)       20 m         Connecial dat       20061801         ECLASS-6.0       27061801         ECLASS-7.0       27061801         ECLASS-8.0       27061801         ECLASS-7.0       27061801         ECLASS-8.0       27061801         ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ECLASS-10.1       27060307         ECLASS-10.1       27060307         ECLASS-10.1       27060307         ECLASS-10.1       27060307         ECLASS-10.1       27060307         ECLASS-10.1       2000307         ECLASS-10.1       404897200714         Collass taxiffundee       544290         GTIN       404897200714         Packagn unith       4         Electrical data   Suppt       0         Operating voltage AC max.       60 V         Operating voltage AC (LL-listed)       30 V         Current operating tar for contact max.       4 A         Electrical data   Suppt       10 M         Modering acting in (sckert)       3         Batel starys voltage	Degree of protection (EN IEC 60529)	IP65, IP66K, IP67	
Commercial data         ECLASS 8.0       27061801         ECLASS 8.0       27061801         ECLASS 8.0       27061801         ECLASS 8.0.       27061801         ECLASS 8.0.       27060007         ECLASS 8.0.       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.2.       27060007         ECLASS 8.1.3       27060007         ECLASS 8.1.0       27060007         ECLASS 8.1.0       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.2.0       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.2.0       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.0       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.1       27060007         ECLASS 8.1.1       27060007         ECLASS 8.0       ECO010185         Echasitation 1       040807200714         Parelidy voltage COmax       60 V         Operating voltage COmax       60 V         Operating voltage Comax       80 V	Side 2		
ECLASS 6.0       27061801         ECLASS 7.0       27061801         ECLASS 7.0       27061801         ECLASS 8.0       27061801         ECLASS 8.10.1       27060307         ECLASS 10.1       27060307         ECLASS 11.1       27060307         ECLASS 12.0       27060307         ECLASS 11.1       27060307         ECLASS 12.0       2706037         ECLASS 12.0       2706037         ECLASS 12.0       2706037         ECLASS 12.0       2706037         ELECHASS 12.0	Stripping length (jacket)	20 mm	
EQLASS-7.0       27061801         EQLASS-8.0       27061801         EQLASS-9.0       27061801         EQLASS-9.11       27060307         EQLASS-11.1       27060307         EQLASS-12.0       27060307         EQLASS-12.0       27060307         ETM-5.0       EC0001855         customs tariff number       85444290         GTIN       4048877200714         Packaging unft       1         Electrical data   Supply	Commercial data		
EQLASS 8.0       27061801         EQLASS 9.0       27061801         EQLASS 9.0.       27060307         EQLASS 10.1       27060307         EQLASS 10.2       27060307         EQLASS 10.2       27060307         EQLASS 10.0       27060307         EQLASS 10.0       27060307         EQLASS 10.0       27060307         EQLASS 10.0       27060307         Castamini and antiformation and antifold an	ECLASS-6.0	27061801	
ECLASS-9.0   27061801     ECLASS-10.1   27060307     ECLASS-11.1   27060307     ECLASS-12.0   27060307     ECLASS-12.0   27060307     ECLASS-11.1   EC001855     customs taff humbor   6544280     GTIM   4048972200714     Packaging unit   1     Electrical dial Supply   Electrical dial Supply     Operating voltage DC max.   60 V     Operating voltage DC max.   60 V     Operating voltage DC lut-listed   30 V     Operating voltage DC (LL-listed)   1     Better Detectron I Electrical   4A     Operating voltage DC (LL-listed)   1  <	ECLASS-7.0	27061801	
ECLASS-10.1       27060307         ECLASS-11.1       27060307         ECLASS-12.0       27060307         ETIM-5.0       EC001855         customs tariff number       8544290         GTIN       4048979200714         Packaging unit       1         Electrical datal Supply          Operating voltage DC max.       60 V         Stropping per contact max.       4 A         Installation I Connection       30 V         Bevice protection I Electrical       10         Mounting set       Max 1         Device protection I Electrical       1.5 kV         Meterial condition protection degree       1.5 kV	ECLASS-8.0	27061801	
ECLASS-11.1   27060307     ECLASS-12.0   27060307     ECLASS-12.0   27060307     ECLASS-12.0   EC001655     customs tartiff number   8544230     GTIN   4048773200714     Packaging unit   1     Electrical dal Supply   Electrical dal Supply     Operating voltage AC max.   60 V     Operating voltage DC max.   60 V     Operating voltage DC (UL-listed)   30 V     Operating voltage DC (UL-listed)   30 V     Operating per contact max.   4 A     Installion   Connection   Installion   Connection     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Addition protection degree   3     Polition Degree   3     Stard surge voltage   1,5 kV     Material group (IEC 50664-1)   1     Mate	ECLASS-9.0	27061801	
ECLASS-12.0   27060307     ETIM-5.0   EC001855     outsoms tariff number   85444290     GTIN   4048879200714     Packaging unit   1     Electrical data   Supply   Deprating voltage AC max.     Operating voltage AC max.   60 V     Operating voltage AC (LL-Isted)   30 V     Operating voltage DC (LL-Isted)   30 V     Current operating per contact max.   4 A     Installation   Connection   Stripping length (jacket)     Device protection   Electrical     Additional condition protection degree   instrud, screwed     Polition Dagree   3     Rated surge voltage   1,5 kV     Material group (IEC 60684-1)   1     Mechacial data   Material data     Coating of titing   nickle plated     Coating of titing   nickle plated     Locking material   Zine die-casting     Material screw connection   Zine die-casting     Material screw connection <td< td=""><td>ECLASS-10.1</td><td>27060307</td></td<>	ECLASS-10.1	27060307	
ETIM-5.0   EC001855     customs tariff number   85444290     GTIN   4048879200714     Packaging unit   1     Electrical data   Supply      Operating voltage AC max.   60 V     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 AC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection      Stripping length (acket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   iserted, screwed     Pollution Degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   I     Operating Emportant and Incole cassing	ECLASS-11.1	27060307	
customs tariff number   85444280     GTIN   4048879200714     Packaging unit   1     Electrical data [supply   Control     Operating voltage AC max.   60 V     Operating voltage AC (LL-listed)   30 V     Operating per contact max.   4 A     Installation   Connection   Stripping length (acket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical     Additional condition protection degree   3     Rated surge voltage   1.5 kV     Material strong (CE 60664-1)   1     Netherial dradi   1.5 kV     Material group (CE 60664-1)   1     Installation Degree   3     Rated surge voltage   1.5 kV     Material group (CE 60664-1)   1     Installation group   Nickeled     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die casting     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Mechanical data   Mounting data   Si °C     Operating temperature min.   25 °C  <	ECLASS-12.0	27060307	
GTIN   4048879200714     Packaging unit   1     Electrical data   Supply     Operating voltage AC max.   60 V     Operating voltage AC max.   60 V     Operating voltage AC (UL-listed)   30 V     Current operating per contact max.   4 A     Installation   Connection   UL-listed)     Stripping length (jacket)   20 mm     Mounting set   M12 x 1     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   3     Rated surge voltage   1,5 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Unickeled     Coating locking   Nickeled     Coating locking   Nickeled     Material group (IEC 60664-1)   Inserted, screwed, Shaking protection     Material screw connection   Zinc die-casting     Mechanical data   Mounting data   Zinc die-casting     Mechanical data   Mounting data   S °C     Operating temperature min.   -25 °C     Operating temperature range   depending on cable quality     Important installation notes   S °C     Additional condition temperature range   depending on cable quality     Important installation notes   S °C     Note o	ETIM-5.0	EC001855	
Packaging unit     1       Electrical data   Supply     Gorating voltage AC max.     60 V       Operating voltage DC max.     60 V       Operating voltage DC (UL-listed)     30 V       Operating voltage DC (UL-listed)     30 V       Current operating per contact max.     4 A       Installation   Connection     Installation   Connection       Stripping length (jacket)     20 mm       Mounting set     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     Coating of fitting       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Coating of meparature min.       Operating temperature min.     -25 °C       Operating temperature min.     -25 °C       Operating temperature min.     25 °C </td <td>customs tariff number</td> <td>85444290</td>	customs tariff number	85444290	
Electrical data   Supply         Operating voltage AC max.       60 V         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         Current operating per contact max.       4 A         Installation   Connection       V         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I         Mechanical data   Material data       V         Coating of filing       nickel plated         Locking material       Zinc die-casting         Material screw connection       25 °C         Operating temperature min.       -25 °C	GTIN	4048879200714	
Operating voltage AC max.       60 V         Operating voltage AC max.       60 V         Operating voltage AC (LL-listed)       30 V         Operating voltage AC (LL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       20 mm         Stripping length (jacket)       20 mm         Mouting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         3       3         Patient synthesis       1.5 kV         Material group (LEC 606641)       1         Mechanical data   Material data       Zinc die-casting         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristis   Climatic	Packaging unit	1	
Operating voltage DC max.       60 V         Operating voltage AC (UL-listed)       30 V         Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (lacket)         Stripping length (lacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (ICE 60664-1)       I         Mechanical data   Material data       Coating of fitting         Coating of fitting       nickel Pated         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material group (ICE 00664)       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Coating on cable qua	Electrical data   Supply		
Operating voltage AC (UL-listed)       30 V         Operating voltage AC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Material group (ICE 60664-1)       I         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       Material group (IEC 60664-1)       I         Mechanical data   Material data       Zinc die-casting       Material group (IEC 60664-1)       I       Mechanical data   Material data         Coating locking       Nickeled       Coating of fitting       nickel plated       Iccking material       Zinc die-casting         Material screw connection       Zinc die-casting       Material screw connection       Zinc die-casting         Mounting method       inserted, screwed, Shaking protection       Environmental characteristics   Climatic         Operating temperature min.       -25 °C       Operating temperature max.       85 °C	Operating voltage AC max.	60 V	
Operating voltage DC (UL-listed)       30 V         Current operating per contact max.       4 A         Installation   Connection       Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Additional condition protection degree       inserted, screwed         Pollution Degree       3       3       Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       I       Inserted, screwed       Pollution Degree       3         Coating of fitting       nickeled       Coating of fitting       Inckeled       Coating of fitting         Coating of fitting       nickel plated       Locking material       Zinc die-casting       Mechanical data   Mounting data         Mechanical data   Mounting data       Screwed, Shaking protection       Environmental characteristics   Climatic         Operating temperature min.       -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.       Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the	Operating voltage DC max.	60 V	
Current operating per contact max.     4 A       Installation   Connection       Stripping length (jacket)     20 mm       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       Coating locking     Nickeled       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       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       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	Operating voltage AC (UL-listed)	30 V	
Installation   Connection         Stripping length (jacket)       20 mm         Mounting set       M12 x 1         Device protection   Electrical       Inserted, screwed         Additional condition protection degree       inserted, screwed         Pollution Degree       3         Rated surge voltage       1,5 kV         Material group (IEC 60664-1)       1         Mechanical data   Material data       Coating of fitting         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         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.	Operating voltage DC (UL-listed)	30 V	
Stripping length (jacket)   20 mm     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   I     Coating locking   Nickeled     Coating of fitting   nickel plated     Locking material   Zinc die-casting     Material screw connection   Zinc die-casting     Material screw connection   Zinc die-casting     Mounting method   inserted, screwed, Shaking protection     Environmental characteristics   Climatic   S° C     Additional condition reperature max.   85 °C     Additional condition notes   Portect 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.	Current operating per 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     Coating locking       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       48 °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.       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		
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       Inckel Polled         Coating locking       Nickeled         Coating of fitting       nickel plated         Locking material       Zinc die-casting         Material screw connection       Zinc die-casting         Mechanical data   Mounting data       Inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.       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.	Stripping length (jacket)	20 mm	
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     I       Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     20° 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     1,5 kV       Material group (IEC 60664-1)     1       Mechanical data   Material data     Image: Control of	Device protection   Electrical		
Rated surge voltage     1,5 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.       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.       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     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 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.	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         Mounting method       inserted, screwed, Shaking protection         Environmental characteristics   Climatic       Operating temperature min.         -25 °C       Operating temperature max.         85 °C       Additional condition temperature range         depending on cable quality       Important installation notes         Note on strain relief       Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.         Note on bending radius       Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Rated surge voltage	1,5 kV	
Coating locking     Nickeled       Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       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.	Material group (IEC 60664-1)	1	
Coating of fitting     nickel plated       Locking material     Zinc die-casting       Material screw connection     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed, Shaking protection       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.	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     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.	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     Note on strain relief       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Coating of fitting	nickel plated	
Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	Locking material	Zinc die-casting	
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Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       Note on 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	
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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		
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.	
Installation   Cable	Note on bending radius		
	Installation   Cable	Installation   Cable	

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Cable identification	803
Jacket Color	violet
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 %
Banding	Foil
Drain wire (cross-section)	22 AWG
wire arrangement	(white, blue), (black, red)
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)	54 Ω/km
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 - sheld) AC withstand voltage power (wire - wire)	2 kV @ 60 s
	-40 °C
Min. operating temperature (static)	- V VF

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Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
No. of bending cycles (C-track)	1 Mio.
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
Torsion stress	± 30 °/m

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