

## M12 female 0° A-cod. with cable

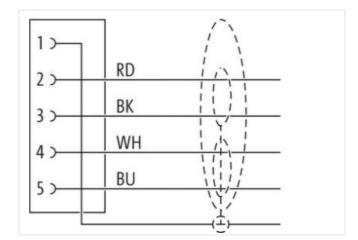
PUR AWG24+22 shielded vt UL/CSA+drag ch. 1m

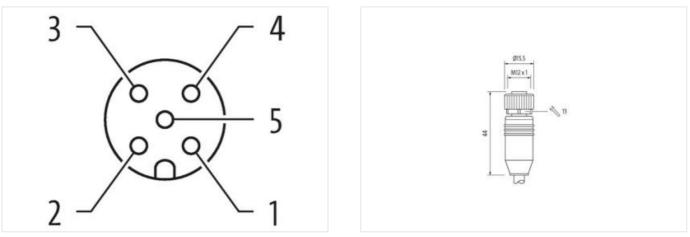
DeviceNet, CANopen Female straight M12, 5-pole A-coded Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

Illustration







Product may differ from Image



Cable length

Side 1

Tightening torque

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1 m

0,6 Nm



| Family construction form                 | M12                                   |
|--|---------------------------------------|
| Thread                                   | M12 x 1                               |
| Coding                                   | Α                                     |
| Material                                 | PUR                                   |
| Width across flats                       | SW13                                  |
| Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67                     |
| Side 2                                   |                                       |
| Stripping length (jacket)                | 20 mm                                 |
| Commercial data                          |                                       |
| ECLASS-6.0                               | 27061801                              |
| ECLASS-6.1                               | 27060307                              |
| ECLASS-7.0                               | 27060307                              |
| ECLASS-8.0                               | 27060307                              |
| ECLASS-9.0                               | 27060307                              |
| ECLASS-10.1                              | 27060307                              |
| ECLASS-11.1                              | 27060307                              |
| ECLASS-12.0                              | 27060307                              |
| ETIM-5.0                                 | EC001855                              |
| customs tariff number                    | 85444290                              |
| GTIN                                     | 4048879199681                         |
| Packaging unit                           | 1                                     |
| Electrical data   Supply                 |                                       |
| Operating voltage AC max.                | 60 V                                  |
| 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 (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)             |                                       |
| Mechanical data                          |                                       |
| Contour for corrugated hose              | without                               |
| Mechanical data   Material data          |                                       |
| Coating locking                          | Nickeled                              |
| Coating of fitting                       | nickel plated                         |
| Material gasket                          | FKM                                   |
| Locking material                         | Zinc die-casting                      |
| Material screw connection                | Zinc die-casting                      |
|  |                                       |
| Mechanical data   Mounting data          | inserted arrowed Shelving 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 bending radius                         | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
|--|--|
|  | endangered by excessive bending forces.  |
| Conformity                                     |  |
| Product standard                               | DIN EN 61076-2-101 (M12)   |
| Installation   Cable                           |  |
| Cable identification                           | 803  |
| Jacket Color                                   | violet   |
| Type of Certificate                            | cURus  |
| mount 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   |
| vire arrangement                               | (white, blue), (black, red)  |
| raversing distance (C-track)                   | 5 m  |
| Cable weigth                                   | 63,12 g/m  |
| Aaterial jacket                                | PUR  |
| Shore hardness jacket                          | 90 ± 5 Shore A   |
| reedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   |
|  | -  |
| Duter-diameter (jacket)                        | 6,9 mm   |
| olerance outer diameter (sheath)               | ±5%  |
| Naterial wire insulation                       | PE   |
| mount wires                                    | 2  |
| Duter diameter insulation                      | 2,1 mm   |
| Outer diameter tolerance core insulation       | ±5%  |
| Shore hardness wire insulation                 | 64 ± 5 Shore D   |
| ngredient 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   |
| laterial conductor wire                        | copper stranded wire, tinned   |
| Electrical function wire                       | Data   |
| laterial wire insulation (Data)                | PE   |
| Outer diameter wire insulation (Data)          | 1,5 mm   |
| olerance outer diameter wire insulation (data) |  |
| ngredient freeness wire insulation (Data)      | lead-free, CFC-free, halogen-free  |
| mount wires (Data)                             | 2  |
| mount strands wire (Data)                      | 19   |
| iameter of single wires (Data)                 | 22 AWG   |
| onductor crosssection wire (Data)              | 22 AWG   |
| laterial conductor wire (Data)                 | copper stranded wire, tinned   |
| lectrical function wire (data)                 | Power  |
| lominal voltage AC max.                        | 300 V  |
| 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   |
|  |  |

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| Characteristic impedance                  | 120 Ω ± 10 % @ 1 MHz                                 |
|---|--|
| Electrical resistance line constant wire  | 78 Ω/km  |
| Electrical resistance coating wire (Data) | 54 Ω/km  |
| AC withstand voltage (wire - wire)        | 2 kV @ 60 s  |
| Electric capacitance                      | 40000 pF/km  |
| AC withstand voltage (wire - shield)      | 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   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 |
| Bending radius (installation)             | x Outer diameter                                     |
| Bending radius (fixed)                    | 6 x Outer diameter                                   |
| Bending radius (dynamic)                  | 10 x Outer diameter                                  |
| Travel speed (C-track)                    | 1 Mio.   |
| No. of torsion cycles                     | 2 Mio.   |
| Torsion stress                            | ± 30 °/m   |
| Torsion speed                             | 35 cycles/min  |

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