

**M12 female recept. A-cod. rear**

PUR AWG24+22 shielded vt UL/CSA+drag ch. 0.5m

DeviceNet, CANopen

Flange female

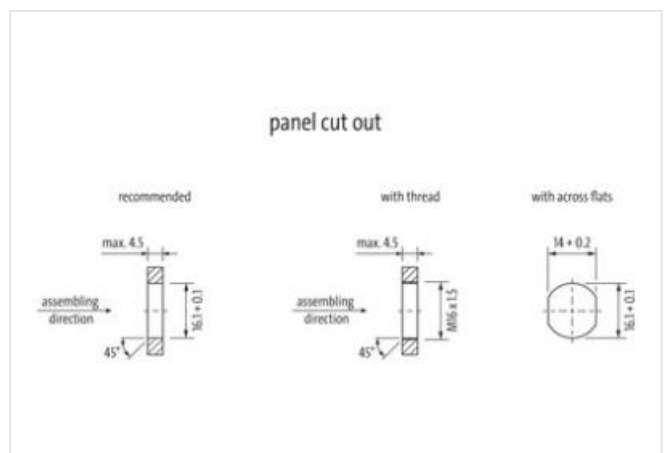
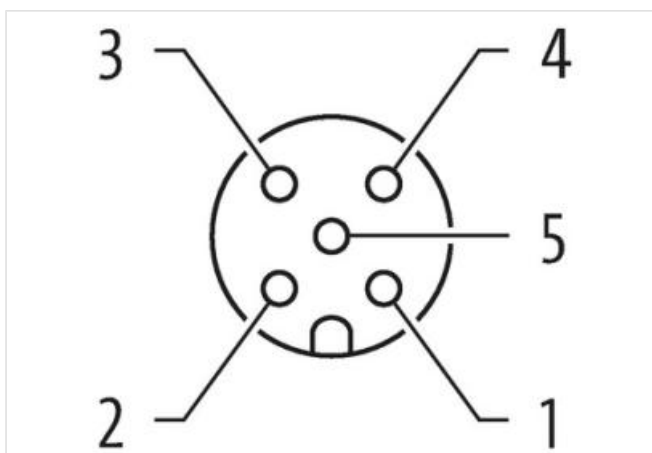
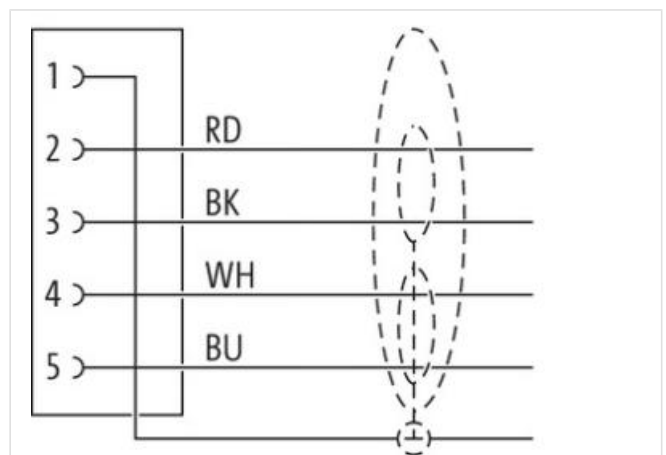
M12, 5-pole

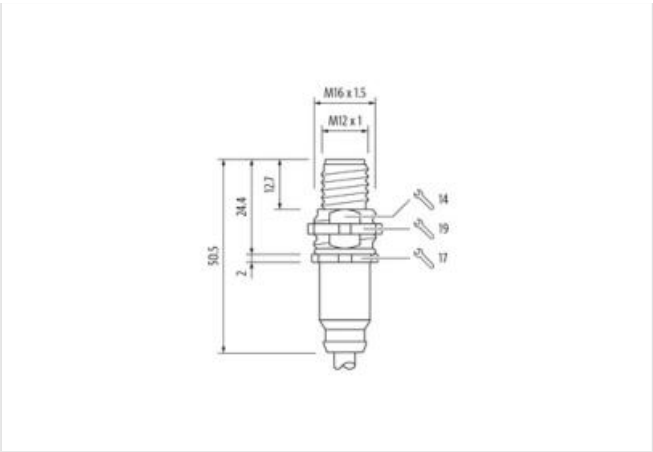
Rear mounting

without cable sleeves

Further cable lengths on request.

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

[Link to Product](#)**Illustration**



Product may differ from Image



|                                           |                   |
|-------------------------------------------|-------------------|
| Cable length                              | 0,5 m             |
| Side 1                                    |                   |
| Tightening torque                         | 0,6 Nm            |
| Mounting method                           | inserted, screwed |
| Family construction form                  | M12               |
| Thread                                    | M12 x 1           |
| suitable for corrugated tube (internal Ø) | 10 mm             |
| Coding                                    | A                 |
| Material                                  | Brass             |
| No. of poles                              | 5                 |
| Width across flats                        | SW13              |
| Degree of protection (EN IEC 60529)       | IP67              |
| Side 2                                    |                   |
| Stripping length (jacket)                 | 20 mm             |
| Commercial data                           |                   |
| ECLASS-6.0                                | 27279220          |
| ECLASS-7.0                                | 27440103          |
| ECLASS-8.0                                | 27440103          |
| ECLASS-9.0                                | 27440103          |
| ECLASS-10.1                               | 27440103          |
| ECLASS-11.1                               | 27440103          |
| ECLASS-12.0                               | 27440103          |
| ETIM-5.0                                  | EC001855          |
| customs tariff number                     | 85444290          |
| GTIN                                      | 4048879640411     |
| Packaging unit                            | 1                 |
| Electrical data   Supply                  |                   |
| Operating voltage AC max.                 | 60 V              |
| Operating voltage DC max.                 | 60 V              |
| Current operating per contact max.        | 4 A               |
| Installation   Connection                 |                   |
| Stripping length (jacket)                 | 20 mm             |

|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting set                                    | M16 x 1.5                                                                                                                                             |
| Width across flats                              | SW19                                                                                                                                                  |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Protection NEMA                                 | 3, 4, 6P                                                                                                                                              |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Pollution Degree                                | 3                                                                                                                                                     |
| Rated surge voltage                             | 1,5 kV                                                                                                                                                |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Coating housing                                 | nickel plated                                                                                                                                         |
| Coating locking                                 | nickel plated                                                                                                                                         |
| Coating of fitting                              | nickel plated                                                                                                                                         |
| Locking material                                | Brass                                                                                                                                                 |
| Material screw connection                       | Brass                                                                                                                                                 |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                       |
| Mounting method                                 | Schraubgewinde                                                                                                                                        |
| Looking techniques                              | Schraubgewinde                                                                                                                                        |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                       |
| Operating temperature min.                      | -25 °C                                                                                                                                                |
| Operating temperature max.                      | 85 °C                                                                                                                                                 |
| Additional condition temperature range          | depending on cable quality                                                                                                                            |
| <b>Important installation notes</b>             |                                                                                                                                                       |
| 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                          | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| <b>Conformity</b>                               |                                                                                                                                                       |
| Product standard                                | DIN EN 61076-2-101 (M12)                                                                                                                              |
| <b>Approvals</b>                                |                                                                                                                                                       |
| UL 50E                                          | yes                                                                                                                                                   |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| wire arrangement                                | (white, blue), (black, red)                                                                                                                           |
| 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 weight                                    | 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                                                |
| Nominal 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                                                 |
| 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                                              |
| 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                                  |
| No. of bending cycles (C-track)                 | 1 Mio.                                               |
| Traversing distance (C-track)                   | 5 m                                                  |
| Travel speed (C-track)                          | 3 m/s                                                |
| No. of torsion cycles                           | 2 Mio.                                               |
| Torsion stress                                  | ± 30 °/m                                             |
| Torsion speed                                   | 35 cycles/min                                        |