

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

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

DeviceNet, CANopen

Flange male

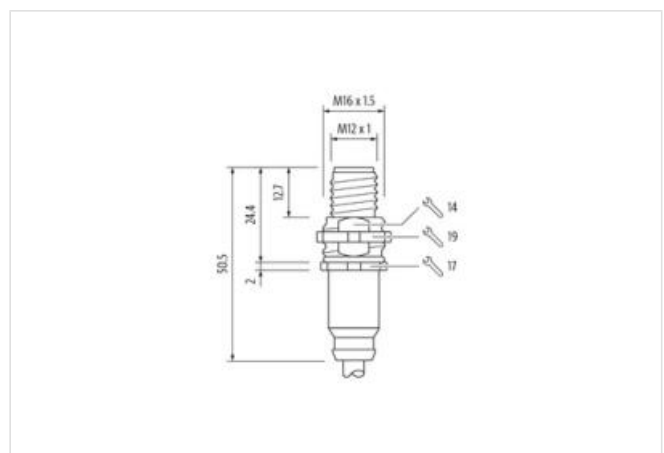
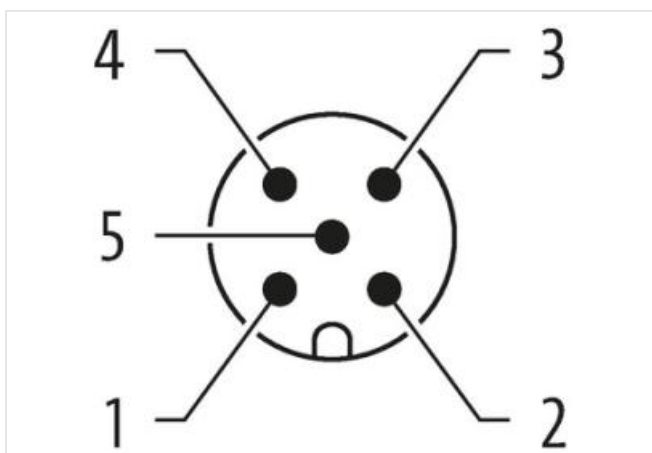
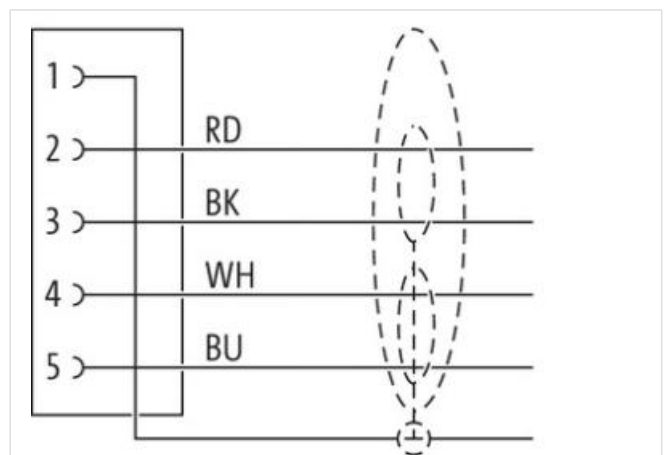
M12, 5-pole

shielded

Rear mounting

Further cable lengths on request.

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

[Link til artikel](#)**Billede**

Produktet kan afvige fra billedet



Cable length 0,5 m

**Side 1**

Tightening torque 0,6 Nm

Oplysningerne i dette datablad er udarbejdet med størst mulig omhu.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 05.05.2024

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

|                                     |                   |
|-------------------------------------|-------------------|
| Mounting method                     | inserted, screwed |
| Coating contact                     | gold plated       |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Coding                              | A                 |
| Material contact                    | Copper alloy      |
| Material                            | Brass             |
| No. of poles                        | 5                 |
| Degree of protection (EN IEC 60529) | IP67              |

**Side 2**

|                           |       |
|---------------------------|-------|
| Stripping length (jacket) | 20 mm |
|---------------------------|-------|

**Commercial data**

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27279220      |
| ECLASS-6.1            | 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              | EC002061      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879782616 |
| Pakke-enhed           | 1             |

**Electrical data | Supply**

|                                    |       |
|------------------------------------|-------|
| Operating voltage AC max.          | 125 V |
| Operating voltage DC max.          | 125 V |
| Current operating per contact max. | 4 A   |

**Diagnostics**

|                       |    |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

**Installation | Connection**

|                           |           |
|---------------------------|-----------|
| Stripping length (jacket) | 20 mm     |
| Mounting set              | M16 x 1.5 |
| Width across flats        | SW19      |

**Device protection | Electrical**

|                                        |                   |
|----------------------------------------|-------------------|
| 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                 |

**Mechanical data | Material data**

|                           |               |
|---------------------------|---------------|
| Coating housing           | nickel plated |
| Coating locking           | nickel plated |
| Coating of fitting        | nickel plated |
| Locking material          | Brass         |
| Material screw connection | Brass         |

**Mechanical data | Mounting data**

|                    |                |
|--------------------|----------------|
| Mounting method    | Schraubgewinde |
| Looking techniques | Schraubgewinde |

**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 | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |

#### Approvals

|        |     |
|--------|-----|
| UL 50E | yes |
|--------|-----|

#### Installation | Cable

|                                                 |                                                                |
|-------------------------------------------------|----------------------------------------------------------------|
| 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)                                    |
| Traversing distance (C-track)                   | 5 m                                                            |
| 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 $\Omega \pm 10 \% @ 1 \text{ MHz}$               |
| Electrical resistance line constant wire  | 78 $\Omega/\text{km}$                                |
| Electrical resistance coating wire (Data) | 54 $\Omega/\text{km}$                                |
| 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                            | $\pm 30^\circ/\text{m}$                              |
| Torsion speed                             | 35 cycles/min                                        |