

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

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 5m

Flange male

M12, 2-pole

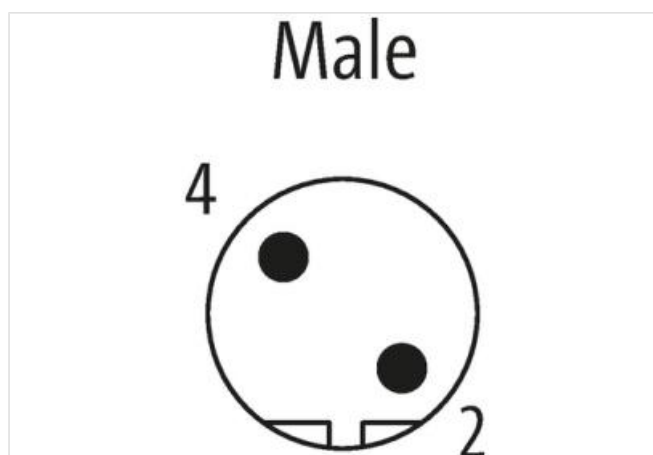
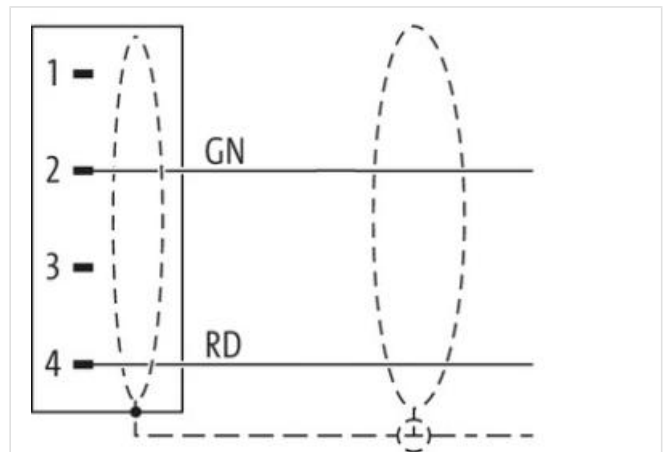
B-coded

shielded

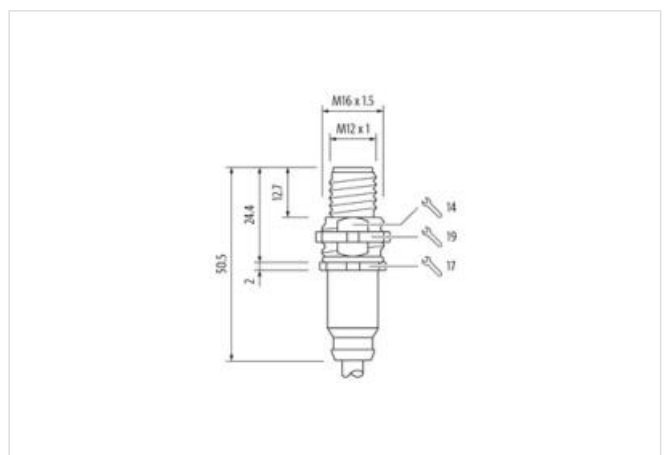
Rear mounting

Further cable lengths on request.

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

[Link naar het product](#)**Afbeelding**

Product van afwijken van afbeelding



Cable length 5 m

**Side 1**

Tightening torque 0,6 Nm

De informatie in dit datablad is met de grootst mogelijke zorg samengesteld.  
Aansprakelijkheid beperkt tot grove nalatigheid voor de juistheid, volledigheid en actualiteit. Status: 2024-05-27

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|                                     |                   |
|-------------------------------------|-------------------|
| Mounting method                     | inserted, screwed |
| Coating contact                     | gold plated       |
| Family construction form            | M12               |
| Thread                              | M12 x 1           |
| Coding                              | B                 |
| Material contact                    | Copper alloy      |
| Material                            | Brass             |
| No. of poles                        | 4                 |
| Degree of protection (EN IEC 60529) | IP67              |

**Side 2**

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

**Commerciële gegevens**

|                      |               |
|----------------------|---------------|
| ECLASS-6.0           | 27279221      |
| ECLASS-7.0           | 27440104      |
| ECLASS-8.0           | 27440104      |
| ECLASS-9.0           | 27440102      |
| ECLASS-10.1          | 27440103      |
| ECLASS-11.1          | 27440103      |
| ECLASS-12.0          | 27440103      |
| ETIM-5.0             | EC001855      |
| Douane tarief nummer | 85444290      |
| GTIN                 | 4048879571272 |
| Verpakkingseenheid   | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage AC max.          | 60 V |
| Operating voltage DC max.          | 60 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 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                              |                                                                                                                                                       |
| wire arrangement                                  | red, green                                                                                                                                            |
| Cable identification                              | 841                                                                                                                                                   |
| Jacket Color                                      | violet                                                                                                                                                |
| Type of Certificate                               | cURus                                                                                                                                                 |
| Amount stranding                                  | 1                                                                                                                                                     |
| Stranding                                         | 2 wires with 2 Filler twisted                                                                                                                         |
| Cable shielding (type)                            | copper braid, tinned                                                                                                                                  |
| Cable shielding (coverage)                        | 85 %                                                                                                                                                  |
| Banding                                           | Fleece, Foil                                                                                                                                          |
| Filler                                            | yes                                                                                                                                                   |
| wire arrangement                                  | red, green                                                                                                                                            |
| Cable weight                                      | 70,4 g/m                                                                                                                                              |
| Material jacket                                   | PUR                                                                                                                                                   |
| Shore hardness jacket                             | 87 ± 3 Shore A                                                                                                                                        |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                        |
| Outer-diameter (jacket)                           | 7,7 mm                                                                                                                                                |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                                                                                                                 |
| Amount wires                                      | 2                                                                                                                                                     |
| Outer diameter insulation                         | 2,55 mm                                                                                                                                               |
| Outer diameter tolerance core insulation          | ± 5 %                                                                                                                                                 |
| Shore hardness wire insulation                    | 60 ± 3 Shore D                                                                                                                                        |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free                                                                                                       |
| Amount strands (wire)                             | 19                                                                                                                                                    |
| Diameter of single wires                          | 24 AWG                                                                                                                                                |
| Conductor crosssection (wire)                     | 24 AWG                                                                                                                                                |
| Material conductor wire                           | Stranded copper wire, bare                                                                                                                            |
| Nominal voltage AC max.                           | 300 V                                                                                                                                                 |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                                                                                                                     |
| Current load capacity min. wire                   | 4,5 A                                                                                                                                                 |
| Electrical resistance line constant wire          | 72,2 Ω/km @ 20 °C                                                                                                                                     |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                                                                                                           |
| Electric capacitance                              | 29000 pF/km                                                                                                                                           |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                                                                                                           |
| 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)              | -20 °C                                                                                                                                                |
| Operating temperature max. (dynamic)              | 70 °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                                    | Good, application-related testing   DIN EN 60811-404                                                                                                  |
| Bending radius (fixed)                            | 7,5 x Outer diameter                                                                                                                                  |
| Bending radius (dynamic)                          | 12 x Outer diameter                                                                                                                                   |
| No. of bending cycles (C-track)                   | 5 Mio. @ 25 °C                                                                                                                                        |

|                               |                          |
|-------------------------------|--------------------------|
| Traversing distance (C-track) | 5 m @ 25 °C   horizontal |
| Travel speed (C-track)        | 3 m/s @ 25 °C            |