

**M12 female recept. D-cod. shielded rear**

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 3m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Flange female

M12, 4-pole

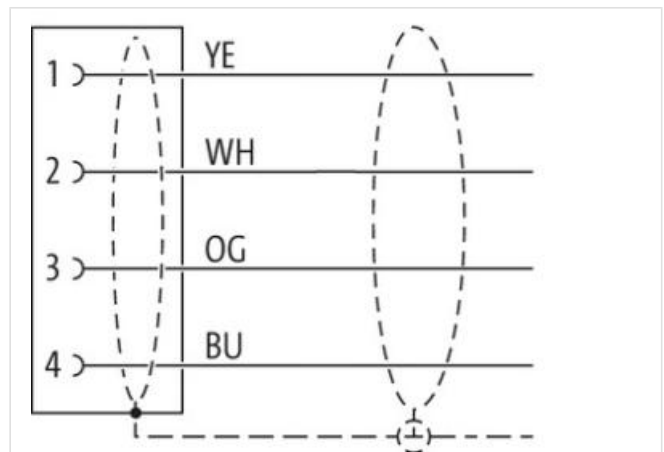
D-coded

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 to Product](#)**Illustration**

Product may differ from Image



Cable length

3 m

| Side 1  |  |
|---|--|
| Tightening torque                                 | 0,6 Nm   |
| Mounting method                                   | inserted, screwed                                |
| Family construction form                          | M12  |
| Thread  | M12 x 1  |
| Coding  | D  |
| Material  | Brass  |
| Degree of protection (EN IEC 60529)               | IP67   |
| 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  | EC001855   |
| customs tariff number                             | 85444290   |
| GTIN  | 4048879467674                                    |
| Packaging unit                                    | 1  |
| Electrical data   Supply                          |  |
| Operating voltage DC max.                         | 60 V   |
| Current operating per contact max.                | 1,5 A  |
| Industrial communication                          |  |
| Transfer parameters                               | CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1) |
| Data transmission rate max.                       | 100 MBit/s                                       |
| Industrial communication   Ethernet functionality |  |
| duplex  | Full duplex                                      |
| Installation   Connection                         |  |
| 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                      |  |

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: 2024-05-08

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

|   |   |
|---|---|
| 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>Approvals</b>                                  |   |
| UL 50E  | yes   |
| <b>Installation   Cable</b>                       |   |
| Cable identification                              | 796   |
| Jacket Color                                      | green   |
| Type of Certificate                               | cURus   |
| Amount stranding                                  | 1   |
| Stranding   | 4 wires around Core filler twisted  |
| Cable shielding (type)                            | copper braid, tinned  |
| Cable shielding (coverage)                        | 85 %  |
| Banding   | Fleece, Foil  |
| Filler  | yes   |
| wire arrangement                                  | white, yellow, blue, orange   |
| Traversing distance (C-track)                     | 5 m @ 25 °C   |
| Travel speed (C-track)                            | 3 Mio. @ 25 °C  |
| Cable weight                                      | 69,3 g/m  |
| Travel speed (C-track)                            | 3,3 m/s @ 25 °C   |
| Material jacket                                   | PUR   |
| Shore hardness jacket                             | 89 Shore A  |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Outer-diameter (jacket)                           | 6,7 mm  |
| Tolerance outer diameter (sheath)                 | ± 5 %   |
| Material inner jacket                             | FRNC  |
| Color (inner jacket)                              | natur   |
| Material wire insulation                          | PE  |
| Amount wires                                      | 4   |
| Outer diameter insulation                         | 1,4 mm  |
| Outer diameter tolerance core insulation          | ± 5 %   |
| Shore hardness wire insulation                    | 65 Shore D  |
| Ingredient freeness wire insulation               | lead-free, CFC-free, halogen-free   |
| Amount strands (wire)                             | 7   |
| Diameter of single wires                          | 22 AWG  |
| Conductor crosssection (wire)                     | 22 AWG  |
| Material conductor wire                           | Stranded copper wire, bare  |
| Loop resistance                                   | 5000 MΩ × km  |
| Nominal voltage AC max.                           | 300 V   |
| Current load capacity (standard)                  | to DIN VDE 0298-4   |
| Current load capacity min. wire                   | 4,8 A   |
| Characteristic impedance                          | 100 Ω ± 15 % @ 100 MHz  |
| Electrical resistance line constant wire          | 55 Ω/km @ 20 °C   |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s   |
| Electrical capacity line constant (wire - wire)   | 50000 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)              | -30 °C  |
| Operating temperature max. (dynamic)              | 70 °C   |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2   |
| chemical resistance                               | Good, application-related testing   |

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: 2024-05-08

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

|                          |  |
|--------------------------|--|
| Gasoline resistance      | Good, application-related testing                    |
| Oil resistance           | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)   | 5 x Outer diameter                                   |
| Bending radius (dynamic) | 12 x Outer diameter                                  |
| No. of torsion cycles    | 1 Mio. 25 °C   |
| Torsion stress           | ± 180 °/m  |