

## M12 female recept. A-cod. shielded rear

PUR 5x0.34 shielded bk UL/CSA+drag ch. 1.5m

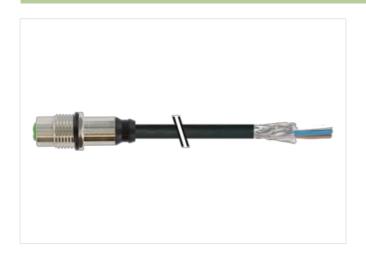
Flange female M12, 5-pole shielded Rear mounting

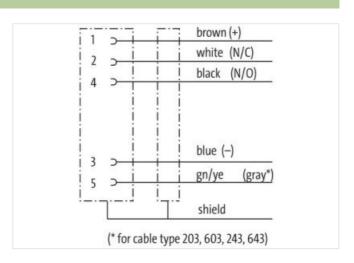
Further cable lengths on request.

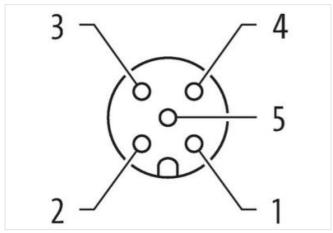
The resistance to aggressive media should be individually tested for your application. Further details on request.

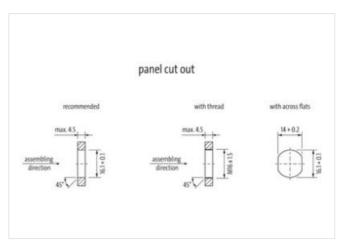
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

1,5 m

Side 1

Tightening torque 0,6 Nm



Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding Material contact Copper alloy Material Brass No. of poles 5 Degree of protection (EN IEC 60529) IP67 Side 2 Stripping length (jacket) 20 mm Coating contact gold plated 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 4048879529440 Packaging unit 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) Mechanical data | Material data Coating locking nickel plated Coating of fitting nickel plated Material gasket FKM Locking material Brass

Mechanical data | Mounting data

Material screw connection

Mounting method

Looking techniques

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: 2024-05-06

Brass

Schraubgewinde

Schraubgewinde

Environmental characteristics | Climatic



stay connected

| 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  |   |
| JL 50E   | yes   |
| Installation   Cable                             | ,   |
|  | 040   |
| Cable identification                             | 642<br>3  |
| Cable Type                                       |   |
| Jacket Color                                     | black<br>cURus  |
| Гуре of Certificate<br>Amount stranding          | 1   |
| Stranding  | 5 wires around Core filler twisted  |
| Cable shielding (type)                           | copper braid, tinned  |
| Cable shielding (type)                           | 80 %  |
|  |   |
| Banding<br>Filler                                | Fleece, Foil  |
|  | yes brown, black, blue, white, green-yellow   |
| vire arrangement  Traversing distance (C-track)  | 5 m @ 25 °C   horizontal  |
|  |   |
| Cable weigth                                     | 57,2 g/m<br>PUR   |
| Material jacket                                  | 90 ± 5 Shore A  |
| Shore hardness jacket                            |   |
| reedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Outer-diameter (jacket)                          | 5,6 mm  |
| Tolerance outer diameter (sheath)                | ±5%   |
| Material wire insulation                         | PP  |
| Amount wires                                     | 5   |
| Outer diameter insulation                        | 1,25 mm   |
| Outer diameter tolerance core insulation         | ± 5 %   |
| Shore hardness wire insulation                   | 70 ± 5 Shore D  |
| ngredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Amount strands (wire)                            | 42  |
| Diameter of single wires                         | 0,1 mm  |
| Conductor crosssection (wire)                    | 0,34 mm²  |
| Material conductor wire                          | Stranded copper wire, bare  |
| Conductor type (wire)                            | strand class 6  |
| lominal 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         | 57 Ω/km @ 20 °C   |
| C withstand voltage (wire - wire)                | 2 kV @ 60 s   |
| Power frequency withstand voltage (wire - acket) | 2 kV @ 60 s   |
| C withstand voltage (wire - shield)              | 2 kV @ 60 s   |
| fin. operating temperature (static)              | -40 °C  |
| Max. operating temperature (fixed)               | 80 °C / 90 °C @ 10000 h Operation   |
| Operating temperature min. (dynamic)             | -25 °C  |
| Operating temperature max. (dynamic)             | 80 °C / 90 °C @ 10000 h Operation   |
| JV resistance                                    | DIN EN ISO 4892-2 A   |
| Flame resistance                                 | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2   |



| chemical resistance      | Good, application-related testing                    |
|--------------------------|--|
| 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) | 10 x Outer diameter                                  |
| Travel speed (C-track)   | 5 Mio. @ 25 °C                                       |
| No. of torsion cycles    | 2 Mio.   |
| Torsion stress           | ± 30 °/m   |
| Torsion speed            | 35 cycles/min  |