

## M12 male 0° A-cod. with cable shielded

PUR 4x0.34 shielded gy UL/CSA+drag ch. 0.5m

Male straight M12, 4-pole A-coded shielded

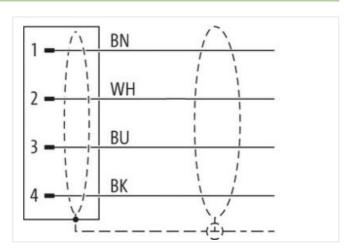
Plastic housings with good resistance against chemicals and oils.

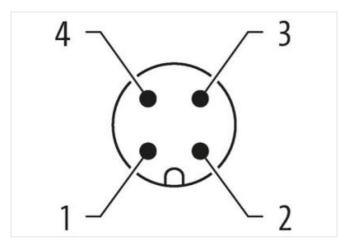
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

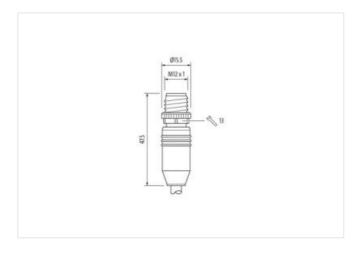
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

0,5 m

Side 1

Tightening torque 0,6

0,6 Nm



Mounting method inserted, screwed Coating contact gold plated Family construction form M12 Thread M12 x 1 Coding Α Material contact Copper alloy Material PUR No. of poles 4 Width across flats SW13 Degree of protection (EN IEC 60529) IP65, IP66K, IP67 Side 2 Stripping length (jacket) 20 mm Coating contact gold plated Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060311 ECLASS-10.1 27060311 ECLASS-11.1 27060311 ECLASS-12.0 27060311 customs tariff number 85444290 GTIN 4065909002575 Packaging unit Electrical data | Supply Operating voltage AC max. 60 V Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Current operating per contact max. 4 A **Diagnostics** Status indication LED no Installation | Connection Stripping length (jacket) 20 mm Mounting set M12 x 1 Device protection | Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 1,5 kV Rated surge voltage Material group (IEC 60664-1) Mechanical data | Material data Coating locking Nickeled Coating of fitting nickel plated Locking material Zinc die-casting Material screw connection Zinc die-casting Mechanical data | Mounting data Mounting method inserted, screwed, Shaking protection Environmental characteristics | Climatic -25 °C Operating temperature min.

Operating temperature max.

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: 2024-05-03

85 °C



stay connected

| 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. |
| Conformity  |   |
| Product standard  | DIN EN 61076-2-101 (M12)  |
| Installation   Cable  |   |
| Cable identification  | 241   |
| Cable Type  | 3   |
| Jacket Color  | gray  |
| Type of Certificate   | cURus   |
| Amount stranding  | 1   |
| Stranding   | 4 wires twisted   |
| Cable shielding (type)  | copper braid, tinned  |
| Cable shielding (coverage)  | 80 %  |
| Banding   | Fleece, Foil  |
| wire arrangement  | brown, black, blue, white   |
| Traversing distance (C-track)                                       | 5 m @ 25 °C   horizontal  |
| Cable weigth  | 50,6 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)   | 5,3 mm  |
| Tolerance outer diameter (sheath)                                   | ±5%   |
| Material wire insulation  | PP PP   |
| Amount wires  | 4   |
| Outer diameter insulation   | 1,25 mm   |
| Outer diameter insulation  Outer diameter tolerance core insulation | ±5%   |
| Shore hardness wire insulation                                      | 70 ± 5 Shore D  |
| Ingredient 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 mm <sup>2</sup>  |
| , ,   | ·   |
| Material conductor wire   | Stranded copper wire, bare strand class 6   |
| Conductor type (wire)   | 300 V   |
| Nominal voltage AC max.   |   |
| Current load capacity (standard)                                    | to DIN VDE 0298-4   |
| Current load capacity min. wire                                     | 4,8 A   |
| Electrical resistance line constant wire                            | 57 Ω/km @ 20 °C   |
| AC withstand voltage (wire - wire)                                  | 2 kV @ 60 s   |
| 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 / 90 °C @ 10000 h Operation   |
| Operating temperature min. (dynamic)                                | -25 °C  |
| Operating temperature max. (dynamic)                                | 80 °C / 90 °C @ 10000 h Operation   |
| operating temperature max. (dynamic)                                | III 4504 0 4400 570 I III 4504 0 4000 I I5O 00000 0 0   |
| Flame resistance  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2   |
|   | Good, application-related testing   |
| Flame resistance  |   |



| 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       |  |