

## M12 female 90° A-cod. with cable shielded

PUR 5x0.34 shielded gy UL/CSA+drag ch. 1m

Female 90° M12, 5-pole shielded

with cable sleeves

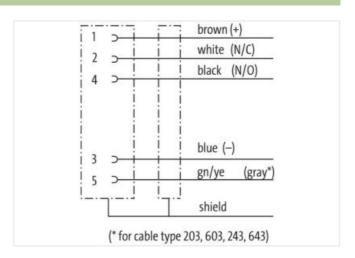
Plastic housings with good resistance against chemicals and oils.

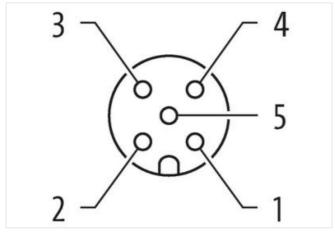
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

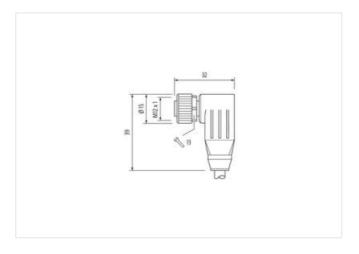
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

1 m

Side 1

Tightening torque

0,6 Nm

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: 2024-05-09



stay connected

| Mounting method                        | inserted, screwed |
|--|-------------------|
| Coating contact                        | gold plated       |
| Family construction form               | M12               |
| Thread                                 | M12 x 1           |
| Coding                                 | A                 |
| Material contact                       | Copper alloy      |
| Material                               | PUR               |
| No. of poles                           | 5                 |
| Width across flats                     | SW13              |
| Degree of protection (EN IEC 60529)    | IP65, IP66K, IP67 |
|  | 1700, 1700K, 1707 |
| Side 2                                 |                   |
| Stripping length (jacket)              | 20 mm             |
| Coating contact                        | gold plated       |
| Commercial data                        |                   |
| ECLASS-6.0                             | 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          |
| ETIM-5.0                               | EC001855          |
| customs tariff number                  | 85444290          |
| GTIN                                   | 4048879498920     |
| Packaging unit                         | 1                 |
| 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                 |
| Rated surge voltage                    | 1,5 kV            |
| Material group (IEC 60664-1)           |                   |
| Mechanical data                        |                   |
| Contour for corrugated hose            | without           |
| Mechanical data   Material data        |                   |
| Coating locking                        | Nickeled          |
| Coating of fitting                     | nickel plated     |
| Material gasket                        | FKM               |
| Locking material                       | Zinc die-casting  |
| Material screw connection              | Zinc die-casting  |
| Mechanical data   Mounting data        |                   |
| , ,                                    |                   |



Mounting method inserted, screwed, Shaking protection

| viounting method   | Inserted, screwed, Snaking protection   |
|--|---|
| Environmental characteristics   Climatic                                 |   |
| Operating temperature min.   | -25 °C  |
| Operating temperature max.   | 85 °C   |
| Additional condition temperature range                                   | depending on cable quality  |
| Important installation notes   |   |
| •  | District the connection by withhis many man from manhoused leads on by the many of able ties  |
| 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   | 242   |
| Cable Type   | 3   |
| lacket Color   | gray  |
| Type of Certificate  | cURus   |
| Amount stranding   | 1   |
| Stranding  | 5 wires around Core filler twisted  |
| Cable shielding (type)   | copper braid, tinned  |
| Cable shielding (coverage)   | 80 %  |
| Sanding (coverage)   | 80 % Fleece, Foil   |
|  | · · · · · · · · · · · · · · · · · · ·   |
| filler   | yes   |
| vire arrangement   | brown, black, blue, white, green-yellow   |
| raversing distance (C-track)   | 5 m @ 25 °C   horizontal  |
| Cable weigth   | 57,2 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)  | 5,6 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  |
| Nominal voltage AC max.  | 300 V   |
| Current load capacity (standard)   | to DIN VDE 0298-4   |
| Current load capacity min. wire  | 4,5 A   |
| lectrical resistance line constant wire                                  | 57 Ω/km @ 20 °C   |
| AC withstand voltage (wire - wire)                                       | 2 kV @ 60 s   |
| Power frequency withstand voltage (wire - acket)                         | 2 kV @ 60 s   |
| AC withstand voltage (wire - shield)                                     | 2 kV @ 60 s   |
| Ain. operating temperature (static)                                      | -40 °C  |
|  |   |
|  | 80 °C / 90 °C @ 10000 h Operation   |
| Max. operating temperature (fixed)  Operating temperature min. (dynamic) | 80 °C / 90 °C @ 10000 h Operation<br>-25 °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)   | 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  |