

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

PVC 5x0.34 shielded gy UL/CSA 2m

Female 90° M12, 5-pole shielded

with cable sleeves

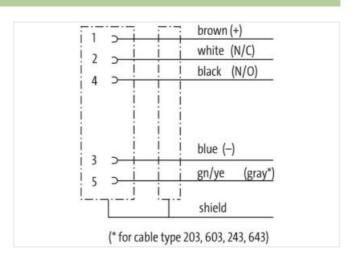
Plastic housings with good resistance against chemicals and oils.

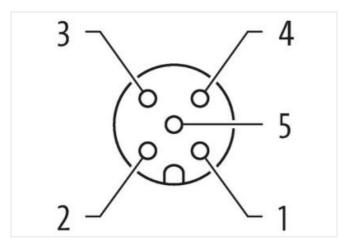
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

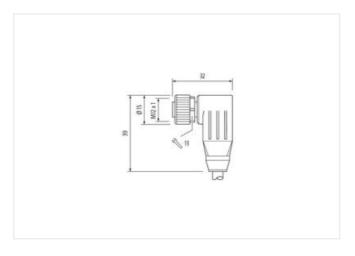
## **Link to Product**

## Illustration









Product may differ from Image













Cable length

2 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                                 | A                 |
| Material contact                       | Copper alloy      |
| Material                               | PUR               |
| No. of poles                           | 5                 |
| 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                             | 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                                   | 4048879450621     |
| 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)           | I                 |
| 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

| Modifiling method                                       | inserted, screwed, Graning protection                |
|---|--|
| Environmental characteristics   Climatic                |  |
| Operating temperature min.                              | -25 °C   |
| Operating temperature max.                              | 85 °C  |
| Additional condition temperature range                  | depending on cable quality                           |
| Conformity  |  |
| Product standard  | DIN EN 61076 2 101 (M12)                             |
|   | DIN EN 61076-2-101 (M12)                             |
| Installation   Cable                                    |  |
| Cable identification                                    | 203  |
| Cable Type  | 1  |
| Jacket 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 %   |
| Banding   | Fleece, Foil   |
| Filler  | yes  |
| wire arrangement  | brown, black, blue, white, gray                      |
| Cable weigth  | 68,2 g/m   |
| Material jacket   | PVC  |
| Shore hardness jacket                                   | 85 ± 5 Shore A                                       |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, silicone-free     |
| Outer-diameter (jacket)                                 | 5,6 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material wire insulation                                | PVC  |
| Amount wires  | 5  |
| Outer diameter insulation                               | 1,25 mm  |
| Outer diameter tolerance core insulation                | ± 5 %  |
| Shore hardness wire insulation                          | 45 ± 5 Shore D                                       |
| Material properties wire insulation                     | good machinability                                   |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                                   | 19   |
| Diameter of single wires                                | 0,15 mm  |
| Conductor crosssection (wire)                           | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                                 | Stranded copper wire, bare                           |
| Conductor type (wire)                                   | Strand class 5                                       |
| 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                                      |
| Nominal voltage power AC max.                           | 300 V  |
| AC withstand voltage power (wire - shield)              | 2 kV @ 60 s  |
| Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 2 kV @ 60 s  |
| Min. operating temperature (static)                     | -30 °C   |
| Max. operating temperature (fixed)                      | 80 °C  |
| Operating temperature min. (dynamic)                    | -5 °C  |
| Operating temperature max. (dynamic)                    | 80 °C  |
| 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)

10 x Outer diameter