

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

PVC 5x0.34 shielded bk UL/CSA 1m

Male straight M12, 5-pole shielded

with cable sleeves

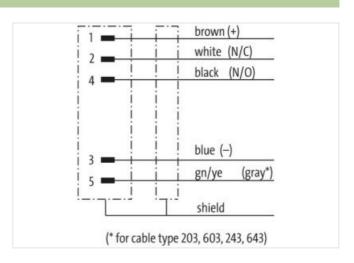
Plastic housings with good resistance against chemicals and oils.

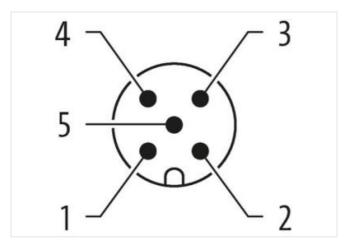
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

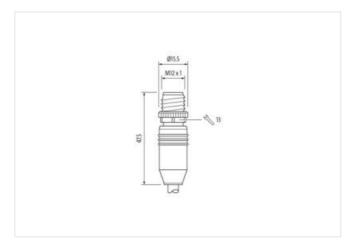
## **Link to Product**

## 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: 2024-05-19



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  |
| Side 2                                 |  |
| Stripping length (jacket)              | 20 mm  |
| Coating contact                        | gold plated  |
| Commercial data                        |  |
| ECLASS-6.0                             | 27279218   |
| 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   |
| ETIM-5.0                               | EC001855   |
| customs tariff number                  | 85444290   |
| GTIN                                   | 4065909107843  |
| 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   |
|  | 110  |
| 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 The state of the |
| Mechanical data                        |  |
| Contour for corrugated hose            | without  |
| 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

|  | inserted, screwed, Shaking 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                     |  |
| Note on strain relief                            | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.    |
| Note on Strain rener                             | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
| Note on bending radius                           | endangered by excessive bending forces.  |
| Conformity                                       |  |
| Product standard                                 | DIN EN 61076-2-101 (M12)   |
| Installation   Cable                             |  |
| Cable identification                             | 603  |
| Cable Type                                       | 1  |
| lacket Color                                     | black  |
| 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   |
| iller  | yes  |
|  | brown, black, blue, white, gray  |
| vire arrangement Cable weigth                    | 68,2 g/m   |
|  | PVC  |
| Material jacket                                  |  |
| Shore hardness jacket                            | 85 ± 5 Shore A   |
| reedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free   |
| Outer-diameter (jacket)                          | 5,6 mm   |
| olerance 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   |
| ngredient 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 mm²   |
| Material conductor wire                          | Stranded copper wire, bare   |
| Conductor type (wire)                            | Strand class 5   |
| 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  |
| AC withstand voltage (wire - shield)             | 2 kV @ 60 s  |
| Min. operating temperature (static)              | -30 °C   |
| Max. operating temperature (fixed)               | 80 °C  |
|  |  |
| Operating temperature min. (dynamic)             | -5 ℃   |



| UV resistance          | DIN EN ISO 4892-2 A                                  |
|------------------------|--|
| Flame resistance       | UL 1581 § 1090   UL 1581 § 1100 FT2   IEC 60332-2-2  |
| 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) | 10 x Outer diameter                                  |