

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

PUR 12x0.14 shielded bk UL/CSA+drag ch. 25m

Male straight M12, 12-pole shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

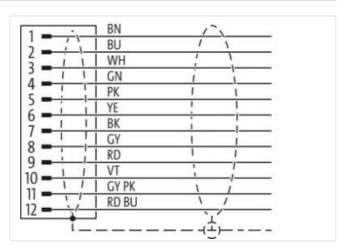
The resistance to aggressive media should be individually tested for your application. Further details on request.

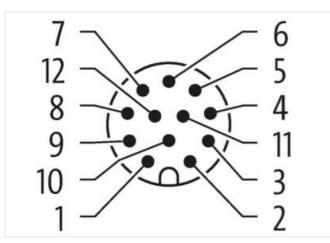
Further cable lengths on request.

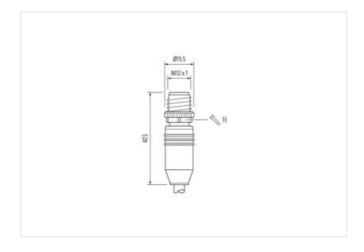
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

25 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: 2024-05-21



stay connected

| Mounting method                          | inserted, screwed   |
|--|---|
| Family construction form                 | M12   |
| Thread                                   | M12 x 1   |
| Coding                                   | A   |
| Material                                 | PUR   |
| Width across flats                       | SW13  |
| Degree of protection (EN IEC 60529)      | IP65, IP66K, IP67   |
| 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                                     | 4048879590549   |
| Packaging unit                           | 1   |
| Electrical data   Supply                 |   |
| Operating voltage AC max.                | 30 V  |
| Operating voltage DC max.                | 30 V  |
| Operating voltage AC (UL-listed)         | 30 V  |
| Operating voltage DC (UL-listed)         | 30 V  |
| Current operating per contact max.       | 1,5 A   |
| Installation   Connection                |   |
| Mounting set                             | M12 x 1   |
| Device protection   Electrical           |   |
| Additional condition protection degree   | inserted, screwed   |
| Pollution Degree                         | 3   |
| Rated surge voltage                      | 0,8 kV  |
| Material group (IEC 60664-1)             | 1   |
| Mechanical data   Material data          |   |
| Coating locking                          | Nickeled  |
| Coating of fitting                       | nickel plated   |
| Locking material                         | Zinc die-casting  |
| Material screw connection                | Zinc die-casting Zinc die-casting   |
| Mechanical data   Mounting data          | Zino die casting  |
| · · · · · ·                              | incorted agrayed Challing protection  |
| Mounting method                          | 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 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                               |   |
|  | DIN EN 04070 0 404 (MA)   |
| Product standard                         | DIN EN 61076-2-101 (M12)  |



## stay connected

| Cable identification                              | 706  |
|---|--|
| Cable Type  | 3  |
| Jacket Color                                      | black  |
| Type of Certificate                               | cURus  |
| Amount stranding                                  | 1  |
| Stranding   | 3 wires twisted  |
| Amount stranding (type 2)                         | 1  |
| Stranding (type 2)                                | 9 wires around Stranding combination twisted   |
| Cable shielding (type)                            | copper braid, tinned   |
| Cable shielding (coverage)                        | 80 %   |
| Banding   | Fleece, Foil   |
| wire arrangement                                  | gray-pink, violet, red-blue, brown, red, gray, black, yellow, pink, green, white, blue |
| Cable weigth                                      | 67,1 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)                           | 6,5 mm   |
| Tolerance outer diameter (sheath)                 | ± 5 %  |
| Material wire insulation                          | PP   |
| Amount wires                                      | 12   |
| Outer diameter insulation                         | 1 mm   |
|   | ±5%  |
| Outer diameter tolerance core insulation          |  |
| 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)                             | 18   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,14 mm <sup>2</sup>   |
| Material conductor wire                           | Stranded copper wire, bare   |
| Conductor type (wire)                             | strand class 6   |
| Traversing distance (C-track)                     | 5 m @ 25 °C   horizontal   |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4  |
| Current load capacity min. wire                   | 2 A  |
| Electrical resistance line constant wire          | 138 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  |
| UV resistance                                     | DIN EN ISO 4892-2 A  |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   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  |
|   |  |