

## M12 female recept. A-cod. shielded rear

PUR 4x0.34 shielded bk UL/CSA+drag ch. 1.5m

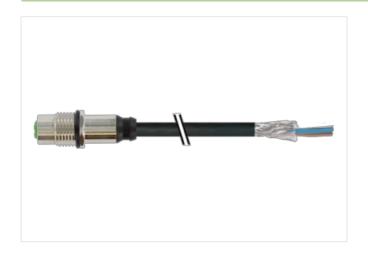
Flange female M12, 4-pole shielded Rear mounting

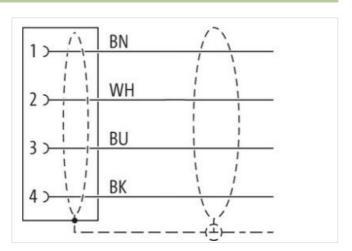
Further cable lengths on request.

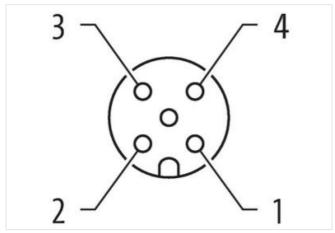
The resistance to aggressive media should be individually tested for your application. Further details on request.

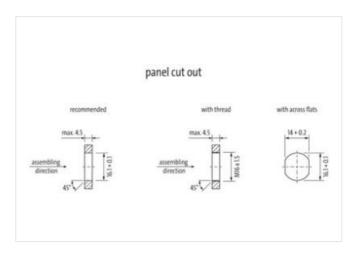
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

1,5 m

Side 1

Tightening torque 0,6 Nm



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                                 | Brass             |
| No. of poles                             | 4                 |
| Degree of protection (EN IEC 60529)      | IP67              |
| Side 2                                   |                   |
| Stripping length (jacket)                | 20 mm             |
| Coating contact                          | gold plated       |
| Commercial data                          |                   |
| ECLASS-6.0                               | 27279220          |
| ECLASS-6.1                               | 27279220          |
| ECLASS-7.0                               | 27440103          |
| ECLASS-8.0                               | 27440103          |
| ECLASS-9.0                               | 27440103          |
| ECLASS-10.1                              | 27440103          |
| ECLASS-11.1                              | 27440103          |
| ECLASS-12.0                              | 27440103          |
| ETIM-5.0                                 | EC001855          |
| customs tariff number                    | 85444290          |
| GTIN                                     | 4048879521017     |
| Packaging unit                           | 1                 |
|  |                   |
| Electrical data   Supply                 |                   |
| Operating voltage AC max.                | 60 V              |
| Operating voltage DC max.                | 60 V              |
| Current operating per contact max.       | 4 A               |
| Diagnostics                              |                   |
| Status indication LED                    | no                |
| Installation   Connection                |                   |
| Stripping length (jacket)                | 20 mm             |
| Mounting set                             | M16 x 1.5         |
| Width across flats                       | SW19              |
| Device protection   Electrical           |                   |
| Protection NEMA                          | 3, 4, 6P          |
| Additional condition protection degree   | inserted, screwed |
| Pollution Degree                         | 3                 |
| Rated surge voltage                      | 1,5 kV            |
| Material group (IEC 60664-1)             | T                 |
| Mechanical data   Material data          |                   |
| Coating locking                          | nickel plated     |
| Coating of fitting                       | nickel plated     |
| Material gasket                          | FKM               |
| Locking material                         | Brass             |
| Material screw connection                | Brass             |
| Mechanical data   Mounting data          |                   |
| Mounting method                          | Schraubgewinde    |
| Looking techniques                       | Schraubgewinde    |
| Environmental characteristics   Climatic |                   |



stay connected

| 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. |
| Approvals   |   |
| UL 50E  | yes   |
| Installation   Cable                              | •   |
| ·   | 0.44  |
| Cable identification                              | 641<br>3  |
| Cable Type  |   |
| Jacket Color                                      | black   |
| Type of Certificate                               | cURus   |
| Amount stranding                                  | 1   |
| Stranding Cable shielding (type)                  | 4 wires twisted   |
| Cable shielding (type)                            | copper braid, tinned  |
| Cable shielding (coverage)                        | 80 %  |
| Banding<br>                                       | 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  |
| Amount wires                                      | 4   |
| Outer diameter insulation                         | 1,25 mm   |
| 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 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                   | 4,8 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   |
| UV resistance                                     | DIN EN ISO 4892-2 A   |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2   |
|   | Good, application-related testing   |



| Gasoline resistance      | Good, application-related testing                    |
|--------------------------|--|
| Oil resistance           | DIN EN 60811-404   Good, application-related testing |
| 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  |