

**M12 male recept. A-cod. shielded rear**

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

Flange male

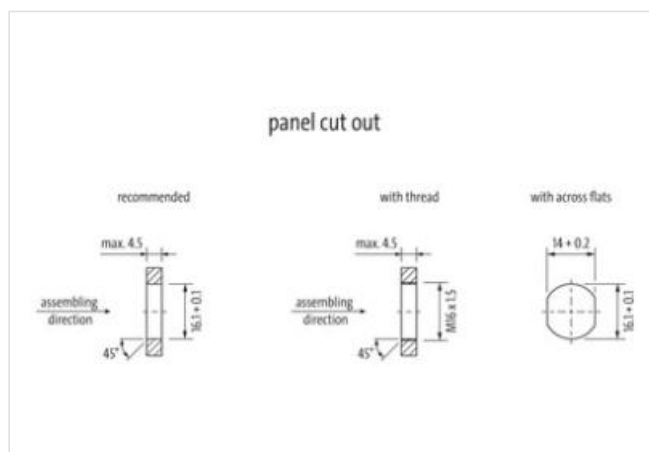
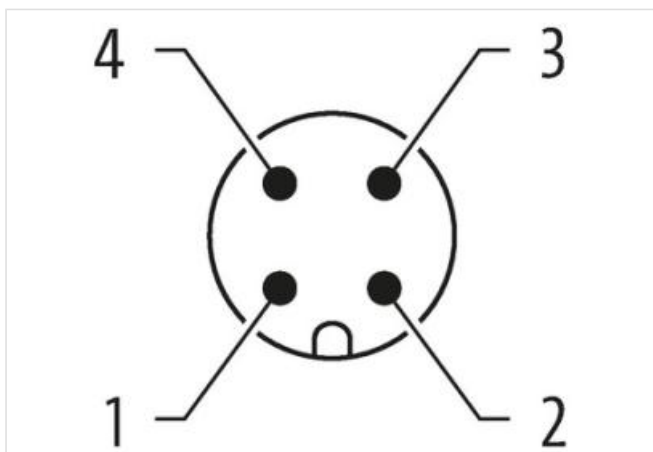
M12, 4-pole

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 a termékhez](#)**Ábrák**



Szimbolikus ábra



|                                     |                    |
|-------------------------------------|--------------------|
| Cable length                        | 1,5 m              |
| Side 1                              |                    |
| Tightening torque                   | 0,6 Nm             |
| Mounting method                     | inserted, screwing |
| 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              |
| 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                                | 4048879775588      |
| 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)           | I                 |

#### Mechanical data | Material data

|                           |               |
|---------------------------|---------------|
| Coating locking           | nickel plated |
| Coating of fitting        | nickel plated |
| Locking material          | Brass         |
| Material screw connection | Brass         |

#### Mechanical data | Mounting data

|                    |                |
|--------------------|----------------|
| Mounting method    | Schraubgewinde |
| Looking techniques | Schraubgewinde |

#### 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. |

#### Approvals

|        |     |
|--------|-----|
| UL 50E | yes |
|--------|-----|

#### Installation | Cable

|                                          |                                                                |
|------------------------------------------|----------------------------------------------------------------|
| Cable identification                     | 641                                                            |
| Cable Type                               | 3                                                              |
| Jacket Color                             | black                                                          |
| Type of Certificate                      | cURus                                                          |
| Amount stranding                         | 1                                                              |
| Stranding                                | 4 wires twisted                                                |
| Cable shielding (type)                   | copper braid, tinned                                           |
| Cable shielding (coverage)               | 80 %                                                           |
| Banding                                  | Fleece, Foil                                                   |
| wire arrangement                         | brown, black, blue, white                                      |
| Cable weight                             | 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 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                   | 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            |
| 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)                            | 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                                                  |