

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

PUR 4x0.34 shielded gy 0.5m

Female 90°

M12, 4-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.

[Linkki tuotteeseen](#)**Kuvat**

Tuote voi erota kuvassa olevasta



Cable length 0,5 m

**Side 1**

Tightening torque 0,6 Nm

|                                          |                                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                     |
| Kaupalliset tiedot                       |                                                                                                                                                       |
| 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                                                                                                                                              |
| GTIN                                     | 4048879311090                                                                                                                                         |
| Pakkauskoko                              | 1                                                                                                                                                     |
| Tullinumero                              | 85444290                                                                                                                                              |
| Electrical data   Supply                 |                                                                                                                                                       |
| Operating voltage AC max.                | 60 V                                                                                                                                                  |
| Operating voltage DC max.                | 60 V                                                                                                                                                  |
| Current operating per contact max.       | 4 A                                                                                                                                                   |
| Installation   Connection                |                                                                                                                                                       |
| 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   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                                                                                                                 |
| 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                               |                                                                                                                                                       |
| Product standard                         | DIN EN 61076-2-101 (M12)                                                                                                                              |
| Installation   Cable                     |                                                                                                                                                       |
| Cable identification                     | 331                                                                                                                                                   |
| Jacket Color                             | gray                                                                                                                                                  |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Amount stranding                                  | 1                                                    |
| Stranding                                         | 4 wires twisted                                      |
| Banding                                           | Fleece, Foil                                         |
| wire arrangement                                  | brown, black, blue, white                            |
| Material jacket                                   | PUR                                                  |
| Shore hardness jacket                             | 85 ± 5 Shore A                                       |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, silicone-free     |
| Outer-diameter (jacket)                           | 5,9 mm                                               |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                |
| Material inner jacket                             | PVC                                                  |
| Color (inner jacket)                              | gray                                                 |
| Material wire insulation                          | PVC                                                  |
| Amount wires                                      | 4                                                    |
| Outer diameter insulation                         | 1,4 mm                                               |
| Outer diameter tolerance core insulation          | ± 5 %                                                |
| Shore hardness wire insulation                    | 85 ± 5 Shore A                                       |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-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                                       |
| Traversing distance (C-track)                     | 5 m @ 25 °C                                          |
| Max. rated voltage (conductor - conductor)        | 350 V                                                |
| Max. rated voltage (conductor - ground)           | 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)              | 1,5 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)              | 70 °C                                                |
| 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 (installation)                     | x Outer diameter                                     |
| Bending radius (fixed)                            | 10 x Outer diameter                                  |
| Bending radius (dynamic)                          | 15 x Outer diameter                                  |
| No. of bending cycles (C-track)                   | 0,1 Mio. @ 25 °C                                     |