

M12 female 0° A-cod. with cable shielded

PVC 4x0.34 shielded bk UL/CSA 40m

Female straight  
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.

Link to Product

Illustration



Product may differ from Image



Cable length 40 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 |

#### 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                  | 4048879581288 |
| 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  |

#### 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 |

#### Conformity

|                  |                          |
|------------------|--------------------------|
| Product standard | DIN EN 61076-2-101 (M12) |
|------------------|--------------------------|

#### Installation | Cable

|                      |       |
|----------------------|-------|
| Cable identification | 179   |
| Jacket Color         | green |
| Type of Certificate  | cURus |
| Amount stranding     | 2     |

|   |  |
|---|--|
| Stranding   | 2 wires twisted  |
| Amount stranding (type 2)                               | 1  |
| Stranding (type 2)                                      | 2 Stranded joints with Filler twisted                          |
| Banding   | Fleece   |
| Filler  | yes  |
| wire arrangement  | brown, white, red, blue, pink, gray, yellow, green             |
| Cable weight  | 60,5 g/m   |
| Material jacket   | PVC  |
| Shore hardness jacket                                   | 92 ± 3 Shore A   |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free                              |
| Outer-diameter (jacket)                                 | 6,1 mm   |
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material wire insulation                                | PP   |
| Amount wires  | 4  |
| Outer diameter insulation                               | 1,1 mm   |
| Outer diameter tolerance core insulation                | ± 5 %  |
| Shore hardness wire insulation                          | 55 ± 5 Shore D   |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount strands (wire)                                   | 7  |
| Diameter of single wires                                | 24 AWG   |
| Conductor crosssection (wire)                           | 24 AWG   |
| Material conductor wire                                 | copper stranded wire, tinned                                   |
| Current load capacity (standard)                        | to DIN VDE 0298-4  |
| Current load capacity min. wire                         | 3,6 A  |
| Characteristic impedance                                | 100 Ω  |
| Electrical resistance line constant wire                | 87 Ω/km @ 20 °C  |
| Nominal voltage power AC max.                           | 300 V  |
| Electric capacitance (power)                            | 49000 pF/km  |
| Power frequency withstand voltage power (wire - jacket) | 0,5 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 0,5 kV @ 60 s  |
| Min. operating temperature (static)                     | -40 °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   UL 1581 § 1090   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 (installation)                           | x Outer diameter   |
| Bending radius (fixed)                                  | 7 x Outer diameter   |
| Bending radius (dynamic)                                | 12 x Outer diameter  |