

## M12 male 0° / M8 female 90° A-cod.

PVC 4x0.25 ye UL/CSA 2.5m

Male straight - female 90°

M12 - M8, 4-pole

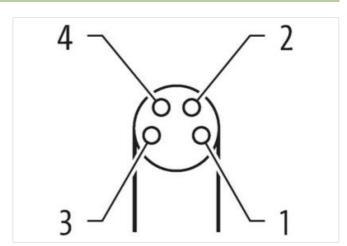
Plastic housings with good resistance against chemicals and oils.

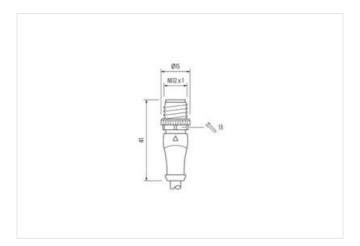
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## **Link to Product**

## Illustration



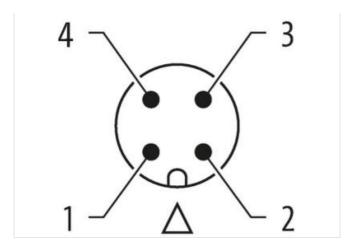








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Product may differ from Image











| Cable length   | 2,5 m             |
|--|-------------------|
| Side 1   |                   |
| Tightening torque                                    | 0,6 Nm            |
| Mounting method                                      | inserted, screwed |
| Family construction form                             | M12               |
| Thread   | M12 x 1           |
| suitable for corrugated tube (internal Ø)            | 10 mm             |
| Cable outlet   | straight          |
| Coding   | A                 |
| Material   | PUR               |
| No. of poles   | 4                 |
| Width across flats                                   | SW13              |
| Side 2   |                   |
| Tightening torque                                    | 0,4 Nm            |
| Mounting method                                      | inserted, screwed |
| Family construction form                             | M8                |
| Thread   | M8 x 1            |
| suitable for corrugated tube (internal $\emptyset$ ) | 6,5 mm            |
| Cable outlet   | angled            |
| Coding   | A                 |
| Material   | PUR               |
| No. of poles   | 4                 |
| Width across flats                                   | SW9               |
| Commercial data                                      |                   |
| 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          |



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| customs tariff number  | 85444290  |
|--|---|
| GTIN   | 4048879324649   |
| Packaging unit   | 1   |
| Electrical data   Supply   |   |
|  |   |
| Operating voltage AC max.  | 50 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   |
| Device protection   Electrical   |   |
| Degree of protection (EN IEC 60529)  | IP65, IP67, IP66K   |
| Additional condition protection degree   | inserted, screwed   |
| Pollution Degree   | 3   |
| Rated surge voltage  | 1,5 kV  |
| Material group (IEC 60664-1)   |   |
| Mechanical data   Material data  |   |
| Coating locking  | Nickeled  |
| Coating of fitting   | nickel plated   |
| Color housing  | black   |
| Color contact carrier  | green   |
| Locking material   | Zinc die-casting  |
| Material screw connection  | Zinc die-casting  |
| Mechanical data   Mounting data  |   |
| Mounting method  | inserted, screwed, Shaking protection   |
| Environmental characteristics   Climatic   | inserted, sciewed, charing protection   |
| ·  |   |
| 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), DIN EN 61076-2-114 (M8)   |
| Installation   Cable   | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)   |
|  | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)   |
| Installation   Cable Cable identification  | 011   |
| Installation   Cable   | 011<br>1  |
| Installation   Cable Cable identification Cable Type Jacket Color  | 011   |
| Installation   Cable Cable identification Cable Type   | 011 1 yellow  |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate  | 011 1 yellow cURus  |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding   | 011 1 yellow cURus  |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding   | 011 1 yellow cURus 1 4 wires twisted  |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement   | 011  1 yellow cURus  1 4 wires twisted brown, black, blue, white  |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth   | 011  1 yellow cURus 1 4 wires twisted brown, black, blue, white 34,76 g/m   |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket   | 011  1 yellow  cURus  1 4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket   | 011  1  yellow  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)   | 011  1  yellow  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free                          |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)   | 011  1  yellow  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm                  |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  | 011  1  yellow  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %           |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  | 011  1  yellow  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %  PVC      |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  | 011  1  yellow  cURus  1  4 wires twisted  brown, black, blue, white  34,76 g/m  PVC  85 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  4,8 mm  ± 5 %  PVC      |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation   | 011  1 yellow cURus  1 4 wires twisted brown, black, blue, white 34,76 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,8 mm ± 5 % PVC 4 1,25 mm       |
| Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation  Amount wires  Outer diameter insulation  Outer diameter tolerance core insulation | 011  1 yellow cURus  1 4 wires twisted brown, black, blue, white 34,76 g/m PVC 85 ± 5 Shore A lead-free, cadmium-free, CFC-free, silicone-free 4,8 mm ± 5 % PVC 4 1,25 mm ± 5 % |

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: 2024-04-19



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| Amount strands (wire)                                   | 14   |
|---|--|
| Diameter of single wires                                | 0,15 mm  |
| Conductor crosssection (wire)                           | 0,25 mm²   |
| Material conductor wire                                 | Stranded copper wire, bare                           |
| Conductor type (wire)                                   | Strand class 5                                       |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                         | 3,6 A  |
| Electrical resistance line constant wire                | 79 Ω/km @ 20 °C                                      |
| Nominal voltage power AC max.                           | 300 V  |
| Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s  |
| AC withstand voltage power (wire - wire)                | 2 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)                    | 80 °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 (fixed)                                  | 5 x Outer diameter                                   |
| Bending radius (dynamic)                                | 10 x Outer diameter                                  |