

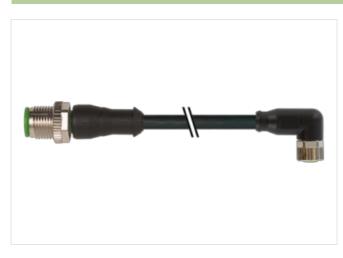
## M12 male 0° / M8 female 90° A-cod.

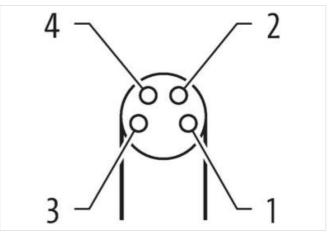
PUR 4x0.25 bk UL/CSA+drag ch. 8m

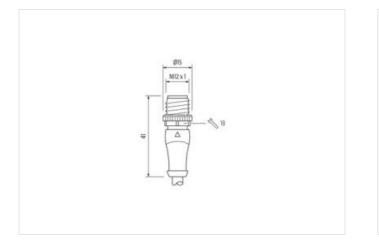
Male straight – female 90° M12 – M8, 4-pole Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product

## Illustration

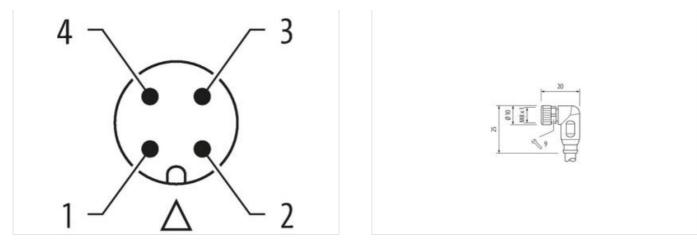












Product may differ from Image



| Cable length                              | 8 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 Ø) | 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-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          |

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| ETIM-5.0  | EC001855  |
|---|---|
| customs tariff number   | 85444290  |
| GTIN  | 4048879791496   |
| 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   | Nickelod  |
| Coating locking<br>Coating of fitting   | Nickeled  |
| 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  |   |
| 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  | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be<br>endangered by excessive bending forces.                             |
| Conformity  |   |
| Product standard  | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)   |
|   |   |
| Installation   Cable  |   |
| Installation   Cable<br>Cable identification  | 631   |
|   | 631<br>3  |
| Cable identification  |   |
| Cable identification<br>Cable Type  | 3   |
| Cable identification<br>Cable Type<br>Jacket Color  | 3<br>black  |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate   | 3<br>black<br>cURus   |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding   | 3<br>black<br>cURus<br>1  |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding  | 3<br>black<br>cURus<br>1<br>4 wires twisted   |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement  | 3<br>black<br>cURus<br>1<br>4 wires twisted<br>brown, black, blue, white  |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement<br>Cable weigth  | 3   black   cURus   1   4 wires twisted   brown, black, blue, white   33 g/m  |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement<br>Cable weigth<br>Material jacket   | 3   black   cURus   1   4 wires twisted   brown, black, blue, white   33 g/m   PUR  |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement<br>Cable weigth<br>Material jacket<br>Shore hardness jacket  | 3   black   cURus   1   4 wires twisted   brown, black, blue, white   33 g/m   PUR   90 ± 5 Shore A   |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement<br>Cable weigth<br>Material jacket<br>Shore hardness jacket<br>Freedom from ingredients (jacket)   | 3   black   cURus   1   4 wires twisted   brown, black, blue, white   33 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free          |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement<br>Cable weigth<br>Material jacket<br>Shore hardness jacket<br>Freedom from ingredients (jacket)<br>Outer-diameter (jacket)                                      | 3   black   cURus   1   4 wires twisted   brown, black, blue, white   33 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free, silicone-free   4,5 mm |
| Cable identification<br>Cable Type<br>Jacket Color<br>Type of Certificate<br>Amount stranding<br>Stranding<br>wire arrangement<br>Cable weigth<br>Material jacket<br>Shore hardness jacket<br>Freedom from ingredients (jacket)<br>Outer-diameter (jacket)<br>Tolerance outer diameter (sheath) | 3   black   cURus   1   4 wires twisted   brown, black, blue, white   33 g/m   PUR   90 ± 5 Shore A   lead-free, cadmium-free, CFC-free, halogen-free   4,5 mm   ± 5 %        |

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| 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)                             | 32   |
| Diameter of single wires                          | 0,1 mm   |
| Conductor crosssection (wire)                     | 0,25 mm <sup>2</sup>   |
| Material conductor wire                           | Stranded copper wire, bare                                     |
| Conductor type (wire)                             | strand class 6   |
| Traversing distance (C-track)                     | 10 m @ 25 °C   horizontal                                      |
| Nominal voltage AC max.                           | 300 V  |
| 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  |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2,5 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                                  | UL 1581 § 1090   UL 1581 § 1100 FT2   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 (fixed)                            | 5 x Outer diameter   |
| Bending radius (dynamic)                          | 10 x Outer diameter  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |

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