

## M8 male 0° / M8 female 0° A-cod.

PUR 3x0.25 bk UL/CSA+drag ch. 0.8m

Male straight - female straight

M8 - M8, 3-pole

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

Further cable lengths on request.

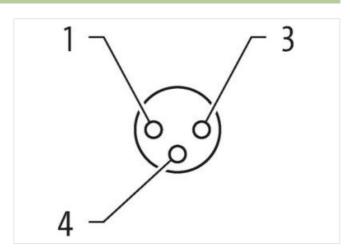
Plastic housings with good resistance against chemicals and oils.

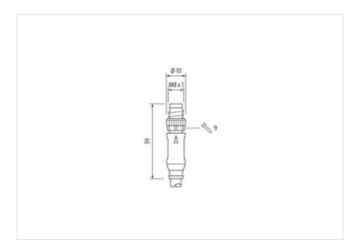
The resistance to aggressive media should be individually tested for your application. Further details on request.

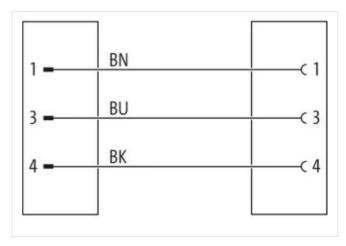
## **Link to Product**

## Illustration



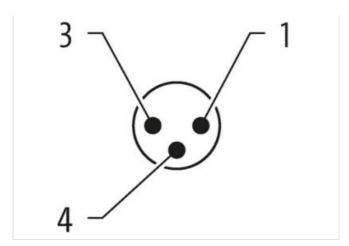


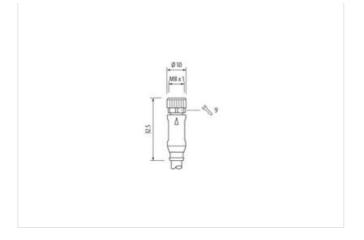






stay connected





Product may differ from Image



Cable length





0,8 m





| Side 1                                    |                   |
|---|-------------------|
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Material contact                          | Copper alloy      |
| No. of poles                              | 3                 |
| Width across flats                        | SW9               |
| Side 2                                    |                   |
| Tightening torque                         | 0,4 Nm            |
| Mounting method                           | inserted, screwed |
| Coating contact                           | gold plated       |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| Material contact                          | Copper alloy      |
| No. of poles                              | 3                 |
| 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                                      | 4048879130929     |
| Packaging unit                            | 1                 |
| Electrical data   Supply                  |                   |

Electrical data | Supply

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: 2024-05-17



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| 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   |
| Diagnostics   |   |
| -   |   |
| Status indication LED   | no  |
| Device protection   Electrical  |   |
| Degree of protection (EN IEC 60529)   | IP65, IP67, IP68, IP66K   |
| 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  |
| Material gasket   | FKM   |
| Material housing  | PUR   |
| Locking material  | Zinc die-casting  |
| Mechanical data   Mounting data   |   |
| Mounting method   | inserted, screwed, Shaking protection   |
|   | inserted, Sciewed, 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  |   |
| Due do est este es de vel   | DIN EN 61076-2-114 (M8)   |
| Product standard  |   |
| Product standard  |   |
| Installation   Cable  |   |
| Installation   Cable Cable identification   | 630   |
| Installation   Cable Cable identification Cable Type  | 630   |
| Installation   Cable Cable identification Cable Type Jacket Color   | 630<br>3<br>black   |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate   | 630<br>3<br>black<br>cURus  |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding  | 630<br>3<br>black<br>cURus<br>1   |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding  | 630 3 black cURus 1 3 wires twisted   |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement   | 630 3 black cURus 1 3 wires twisted brown, black, blue  |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth  | 630 3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m   |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket  | 630 3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR   |
| Installation   Cable Cable identification Cable Type Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket  | 630  3  black  cURus  1  3 wires twisted  brown, black, blue  26,4 g/m  PUR  90 ± 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)  | 630  3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-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)  | 630  3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 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)  | 630  3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 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   | 630  3 black cURus  1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm ± 5 % PP |
| 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  | 630 3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP                  |
| 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  | 630 3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP 3 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 | 630 3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP 3 1,25 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 Amount wires Outer diameter insulation  | 630 3 black cURus 1 3 wires twisted brown, black, blue 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP 3 1,25 mm        |



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| 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                   | 4,5 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  |