

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

PUR 3x0.25 ye UL/CSA+drag ch. 10m

Male straight – female 90°

M12 - M8, 3-pole

LED (yellow/green)

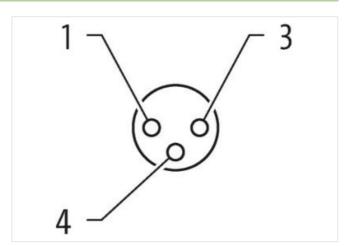
Plastic housings with good resistance against chemicals and oils.

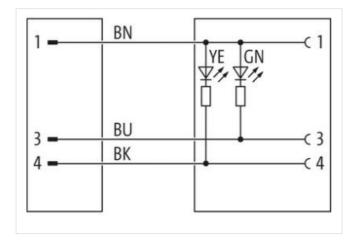
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

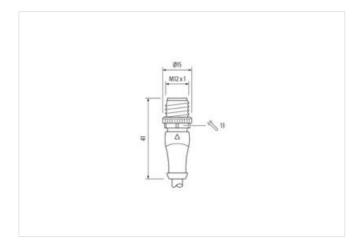
## Link to Product

## Illustration



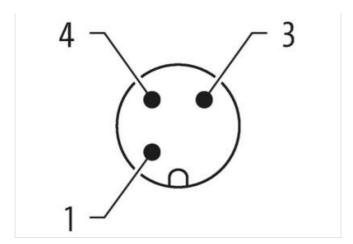








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Product may differ from Image











| Cable length   | 10 m              |
|--|-------------------|
| Side 1   |                   |
| Tightening torque                                    | 0,6 Nm            |
| Mounting method                                      | inserted, screwed |
| Coating contact                                      | gold plated       |
| Family construction form                             | M12               |
| Thread   | M12 x 1           |
| suitable for corrugated tube (internal Ø)            | 10 mm             |
| Material contact                                     | Copper alloy      |
| Material   | PUR               |
| No. of poles   | 3                 |
| Width across flats                                   | SW13              |
| Degree of protection (EN IEC 60529)                  | IP66K, IP67       |
| Side 2   |                   |
| 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 $\emptyset$ ) | 6,5 mm            |
| Material contact                                     | Copper alloy      |
| Material   | PUR               |
| No. of poles   | 3                 |
| Width across flats                                   | SW9               |
| Degree of protection (EN IEC 60529)                  | IP66K, IP67       |
| 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          |



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| ECLASS-12.0   | 27060311  |
|---|---|
| ETIM-5.0  | EC001855  |
| customs tariff number                                   | 85444290  |
| GTIN  | 4048879417693   |
| Packaging unit  | 1   |
| Electrical data   Supply                                |   |
| Operating voltage DC                                    | 24 V  |
| Operating voltage DC min.                               | 18 V  |
| Operating voltage DC max.                               | 30 V  |
| Operating voltage DC max. (UL-listed)                   | 30 V  |
| Current operating per contact max.                      | 4 A   |
| Current consumption max.                                | 5 mA  |
| Diagnostics   |   |
| Status indication LED                                   | green, yellow   |
| Device protection   Electrical                          |   |
| Additional condition protection degree                  | inserted, screwed   |
| Pollution Degree  | 3   |
| Rated surge voltage                                     | 0,8 kV  |
| Material group (IEC 60664-1)                            | I   |
| Mechanical data   Material data                         |   |
| Coating locking   | Nickeled  |
| Coating of fitting                                      | nickel plated   |
| Material gasket   | FKM   |
| Locking material  | Zinc die-casting  |
| Material screw connection                               | Zinc die-casting  |
| Mechanical data   Mounting data                         | ·   |
| Mounting method   | inserted, screwed, Shaking protection   |
| Environmental characteristics   Climatic                |   |
|   | -25 °C  |
| Operating temperature min.  Operating temperature max.  | 85 °C   |
| Additional condition temperature range                  | depending on cable quality  |
|   | 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), DIN EN 61076-2-114 (M8)   |
| Installation   Cable                                    |   |
| Cable identification                                    | 030   |
| Cable Type  | 3   |
| Jacket Color  | yellow  |
| Type of Certificate                                     | cURus   |
| Amount stranding  | 1   |
| Stranding   | 3 wires twisted   |
| wire arrangement  | brown, black, blue  |
| Cable weigth  | 26,4 g/m  |
| Material jacket   | PUR   |
|   | 90 ± 5 Shore A  |
| Shore hardness jacket                                   | 30 ± 3 OHOIC /1   |
| Shore hardness jacket Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
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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



| Material wire insulation                          | PP   |
|---|--|
| Amount wires                                      | 3  |
| 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                   | 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                              |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1100 FT2   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  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C  |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |