

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

PUR 3x0.25 bk UL/CSA+drag ch. 1.4m

Male straight – female 90°

M12 - M8, 3-pole

LED (yellow/green)

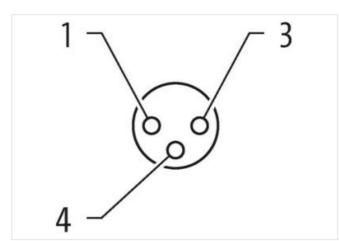
Plastic housings with good resistance against chemicals and oils.

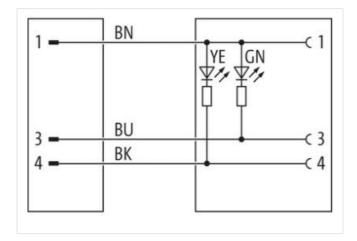
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

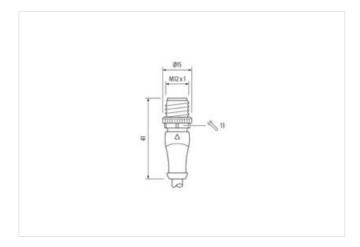
## **Link to Product**

## Illustration



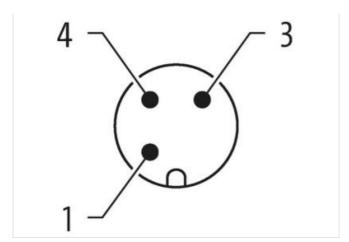








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Product may differ from Image











| Cable length                              | 1,4 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 Ø) | 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-6.1                                | 27279218          |
| ECLASS-7.0                                | 27279218          |
| ECLASS-8.0                                | 27279218          |
| ECLASS-9.0                                | 27060311          |
| ECLASS-10.1                               | 27060311          |



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| ECLASS-11.1                                                                     | 27060311                                                                              |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| ECLASS-11.1                                                                     | 27060311                                                                              |
| ETIM-5.0                                                                        | EC001855                                                                              |
| customs tariff number                                                           | 85444290                                                                              |
| GTIN                                                                            | 4048879680264                                                                         |
| 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)                                                    | 1                                                                                     |
| 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                                        |                                                                                       |
| 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                                                            |                                                                                       |
| Cable identification                                                            | 630                                                                                   |
| Cable Type                                                                      | 3                                                                                     |
| Jacket Color                                                                    | black                                                                                 |
| Type of Certificate                                                             | cURus                                                                                 |
| Amount stranding                                                                | 1                                                                                     |
| Stranding                                                                       | 3 wires twisted                                                                       |
| wire arrangement                                                                | brown, black, blue                                                                    |
| No. of bending cycles (C-track)                                                 | 10 Mio. @ 25 °C                                                                       |
| Cable weigth                                                                    | 26,4 g/m                                                                              |
|                                                                                 |                                                                                       |
| Material jacket                                                                 | PUR                                                                                   |
| Material jacket Shore hardness jacket                                           | PUR<br>90 ± 5 Shore A                                                                 |
|                                                                                 |                                                                                       |
| Shore hardness jacket                                                           | 90 ± 5 Shore A                                                                        |
| Shore hardness jacket Freedom from ingredients (jacket)                         | 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free         |
| Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) | 90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 4,1 mm |

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: 2024-04-25



| 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                                      |
| 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                                                |
| Nominal voltage power AC max.                           | 300 V                                                          |
| Power frequency withstand voltage power (wire - jacket) | 2,5 kV @ 60 s                                                  |
| AC withstand voltage power (wire - wire)                | 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                                            |
| No. of torsion cycles                                   | 2 Mio.                                                         |
| Torsion speed                                           | 35 cycles/min                                                  |
| Torsion stress                                          | ± 180 °/m                                                      |