

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

PUR 3x0.25 gy UL/CSA+drag ch. 0.6m

Male straight – female 90°

M12 - M8, 3-pole

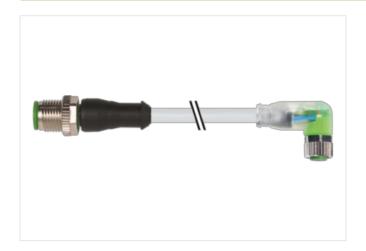
LED (yellow/green)

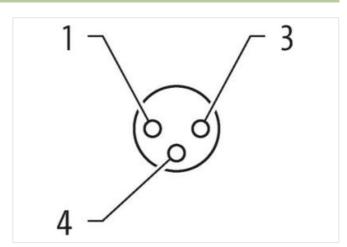
Plastic housings with good resistance against chemicals and oils.

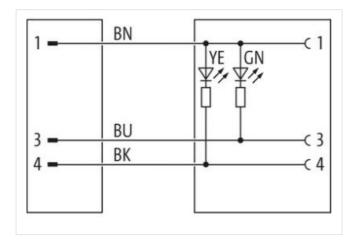
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

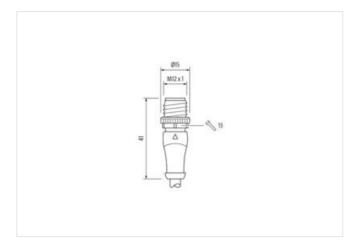
## **Link to Product**

## Illustration



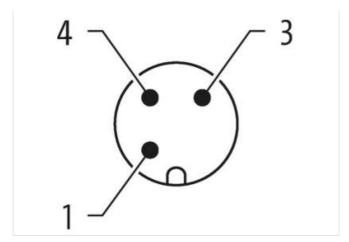


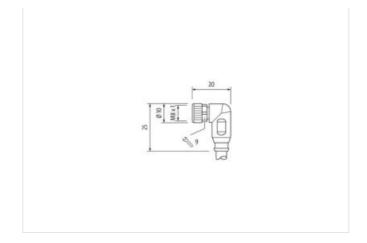






## stay connected





Product may differ from Image











| Cable length                              | 0,6 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-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   | 4048879159661  |
| 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   |  |
| Operating temperature min.   | -25 °C   |
| Operating temperature max.   | 85 °C  |
| Additional condition temperature range   | depending on cable quality   |
| Conformity   |  |
|  |  |
| •  | DIN EN 61076-2-101 (M12). DIN EN 61076-2-114 (M8)  |
| Product standard   | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)  |
| Product standard  Installation   Cable   |  |
| Product standard  Installation   Cable  Cable identification   | 230  |
| Product standard Installation   Cable Cable identification Cable Type  | 230<br>3   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color   | 230<br>3<br>gray   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  | 230<br>3<br>gray<br>cURus  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  | 230<br>3<br>gray<br>cURus  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding   | 230 3 gray cURus 1 3 wires twisted   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement   | 230 3 gray cURus 1 3 wires twisted brown, black, blue  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding   | 230 3 gray cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  | 230 3 gray cURus 1 3 wires twisted brown, black, blue  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  | 230 3 gray cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket   | 230 3 gray cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR   |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  | 230  3  gray  cURus  1  3 wires twisted  brown, black, blue  10 Mio. @ 25 °C  26,4 g/m  PUR  90 ± 5 Shore A  |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)   | 230 3 gray cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR 90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free, silicone-free    |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  | 230 3 gray cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 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  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)   | 230 3 gray cURus 1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 %       |
| Product standard  Installation   Cable  Cable identification  Cable Type  Jacket Color  Type of Certificate  Amount stranding  Stranding  wire arrangement  No. of bending cycles (C-track)  Cable weigth  Material jacket  Shore hardness jacket  Freedom from ingredients (jacket)  Outer-diameter (jacket)  Tolerance outer diameter (sheath)  Material wire insulation | 230  3 gray cURus  1 3 wires twisted brown, black, blue 10 Mio. @ 25 °C 26,4 g/m PUR 90 ± 5 Shore A  lead-free, cadmium-free, CFC-free, halogen-free 4,1 mm ± 5 % PP |

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: 2024-04-20



| 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                              |
| Flame resistance  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2            |
| 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  |