

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

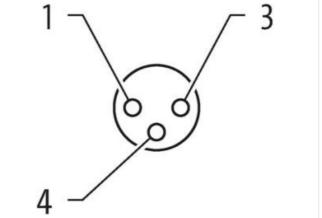
PVC 3x0.25 gy UL/CSA 3m

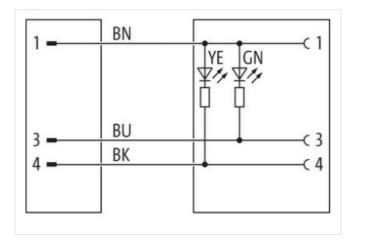
Male straight – female 90° M12 – M8, 3-pole LED (yellow/green) Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

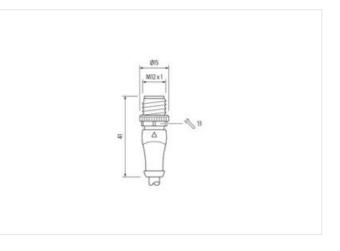
## Link to Product

Illustration

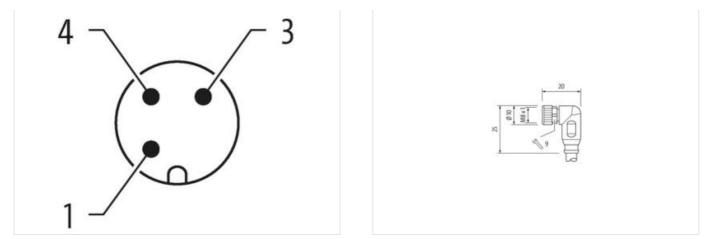












Product may differ from Image



| Cable length   | 3 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 $\emptyset$ ) | 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                                     | 4048879159753   |
| 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   | incorted corowed  |
| Pollution Degree                         | inserted, screwed 3   |
| Rated surge voltage                      | 3<br>0.8 kV   |
| Material group (IEC 60664-1)             |   |
|  | ·   |
| 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  |
| 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                     |   |
| Cable identification                     | 210   |
| Cable Type                               | 1   |
| Jacket Color                             | gray  |
| Type of Certificate                      | cURus   |
| Amount stranding                         | 1   |
| Stranding                                | 3 wires twisted   |
| wire arrangement                         | brown, black, blue  |
| Cable weigth                             | 29,37 g/m   |
| Material jacket                          | PVC   |
| Shore hardness jacket                    | 85 ± 5 Shore A  |
| Freedom from ingredients (jacket)        | lead-free, cadmium-free, CFC-free, silicone-free  |
| Outer-diameter (jacket)                  | 4,5 mm  |
| Tolerance outer diameter (sheath)        | ±5%   |
| · ·                                      | utmost care   |

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| Material wire insulation                          | PVC  |
|---|--|
| Amount wires                                      | 3  |
| Outer diameter insulation                         | 1,25 mm  |
| Outer diameter tolerance core insulation          | ± 5 %  |
| Shore hardness wire insulation                    | 45 ± 5 Shore D                                       |
| Material properties wire insulation               | good machinability                                   |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                             | 14   |
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,25 mm <sup>2</sup>                                 |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | Strand class 5                                       |
| 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 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -30 °C   |
| Max. operating temperature (fixed)                | 0° 08  |
| Operating temperature min. (dynamic)              | -5 ℃   |
| Operating temperature max. (dynamic)              | 0° 08  |
| Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 5 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |

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