

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

PUR 3x0.25 bk UL/CSA 3m

**⚠ NOTICE ⚠****PRODUCT IS DISCONTINUED. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS.**

Male straight – female straight

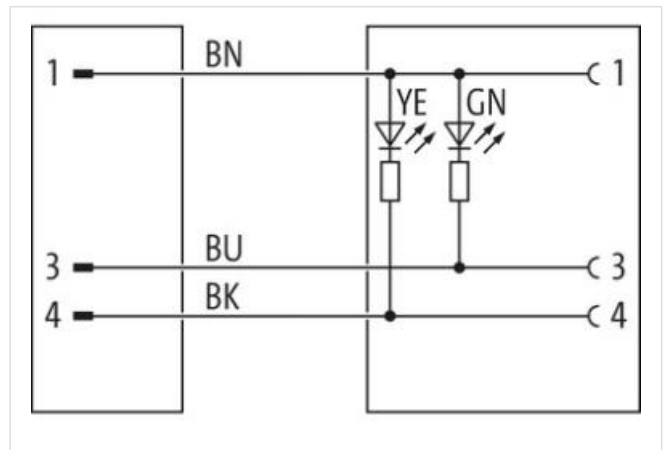
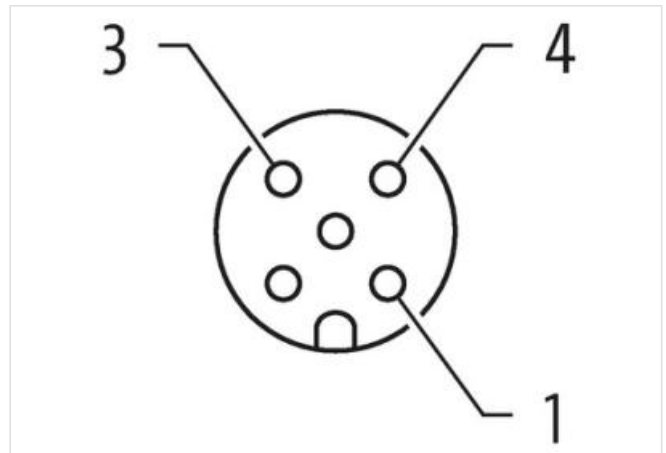
M8 – M12, 3-pole

2× LED (PNP), (NPN) 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**



Product may differ from Image



|   |               |
|---|---------------|
| Cable length                              | 3 m           |
| Side 1                                    |               |
| Tightening torque                         | 0,4 Nm        |
| Family construction form                  | M8            |
| Thread                                    | M8 x 1        |
| suitable for corrugated tube (internal Ø) | 6,5 mm        |
| No. of poles                              | 3             |
| Width across flats                        | SW9           |
| Side 2                                    |               |
| Tightening torque                         | 0,6 Nm        |
| Family construction form                  | M12           |
| Thread                                    | M12 x 1       |
| suitable for corrugated tube (internal Ø) | 10 mm         |
| No. of poles                              | 3             |
| Width across flats                        | SW13          |
| 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                                      | 4048879123655 |
| 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   |
| <b>Diagnostics</b>                              |   |
| Status indication LED                           | green, yellow                                     |
| <b>Device protection   Electrical</b>           |   |
| Degree of protection (EN IEC 60529)             | IP65, IP67, IP68, IP66K                           |
| Additional condition protection degree          | inserted, screwed                                 |
| Pollution Degree                                | 3   |
| Rated surge voltage                             | 0,8 kV  |
| Material group (IEC 60664-1)                    | I   |
| <b>Mechanical data   Material data</b>          |   |
| Coating locking nut                             | nickel plated                                     |
| Locking screw coating                           | nickel plated                                     |
| Material housing                                | PUR   |
| Locking nut material                            | Zinc die-casting                                  |
| Locking material screw                          | Brass   |
| <b>Mechanical data   Mounting data</b>          |   |
| Mounting method                                 | inserted, screwed, Shaking protection             |
| <b>Environmental characteristics   Climatic</b> |   |
| Operating temperature min.                      | -25 °C  |
| Operating temperature max.                      | 85 °C   |
| Additional condition temperature range          | depending on cable quality                        |
| <b>Conformity</b>                               |   |
| Product standard                                | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) |
| <b>Installation   Cable</b>                     |   |
| Cable identification                            | 620   |
| Cable Type                                      | 2   |
| Jacket Color                                    | black   |
| Type of Certificate                             | cURus   |
| Amount stranding                                | 1   |
| Stranding                                       | 3 wires twisted                                   |
| wire arrangement                                | brown, black, blue                                |
| Cable weight                                    | 26,62 g/m   |
| Material jacket                                 | PUR   |
| Shore hardness jacket                           | 85 ± 5 Shore A                                    |
| Freedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, silicone-free  |
| Outer-diameter (jacket)                         | 4,3 mm  |
| Tolerance outer diameter (sheath)               | ± 5 %   |
| Material wire insulation                        | PVC   |
| Amount wires                                    | 3   |
| Outer diameter insulation                       | 1,25 mm   |
| Outer diameter tolerance core insulation        | ± 5 %   |
| Shore hardness wire insulation                  | 43 ± 5 Shore D                                    |
| Material properties wire insulation             | good machinability                                |
| Ingredient freeness wire insulation             | lead-free, cadmium-free, CFC-free, silicone-free  |
| Amount strands (wire)                           | 32  |
| Diameter of single wires                        | 0,1 mm  |
| Conductor crosssection (wire)                   | 0,25 mm²  |
| Material conductor wire                         | Stranded copper wire, bare                        |
| Conductor type (wire)                           | strand class 6                                    |
| Traversing distance (C-track)                   | 5 m @ 25 °C   horizontal                          |

|   |  |
|---|--|
| Travel speed (C-track)                            | 2 Mio. @ 25 °C                                       |
| 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 $\Omega$ /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)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 80 °C  |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| 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                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 10 x Outer diameter                                  |
| Bending radius (dynamic)                          | 15 x Outer diameter                                  |