

**M8 female 90° A-cod. with cable LED**

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

Female 90°

M8, 3-pole

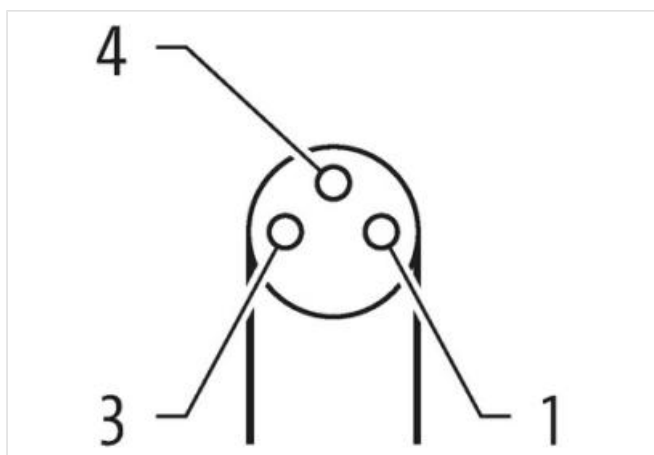
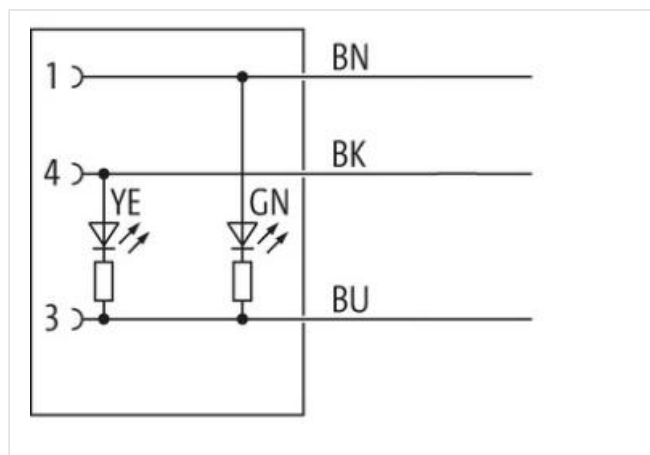
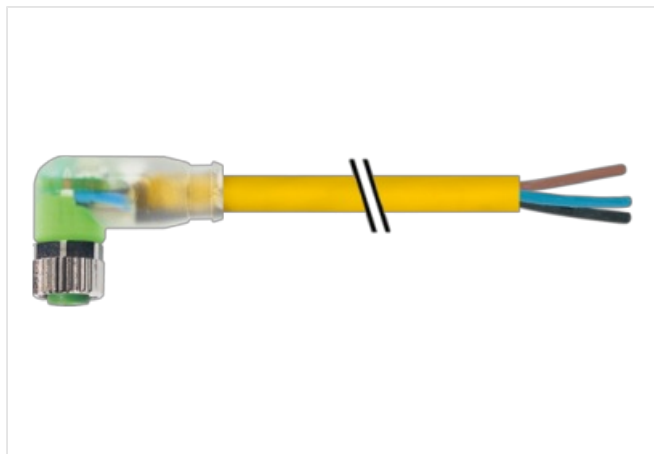
2x LED (PNP)

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

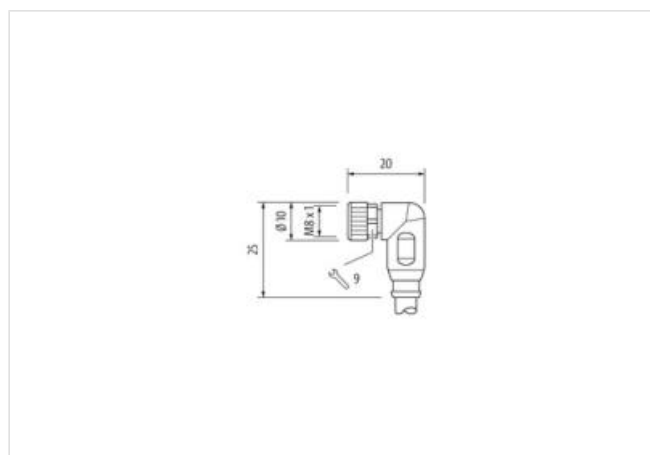
Plastic housings with good resistance against chemicals and oils.

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

Further cable lengths on request.

[Link to Product](#)**Illustration**

Product may differ from Image



Cable length

10 m

**Side 1**

Tightening torque

0,4 Nm

このデータシートに含まれる情報は最大限の注意を払って作成されました。

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-20

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|                                           |                   |
|-------------------------------------------|-------------------|
| Mounting method                           | inserted, screwed |
| Family construction form                  | M8                |
| Thread                                    | M8 x 1            |
| suitable for corrugated tube (internal Ø) | 6,5 mm            |
| Cable outlet                              | angled            |
| Coding                                    | A                 |
| Material                                  | PUR               |
| No. of poles                              | 3                 |
| Width across flats                        | SW9               |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67 |

Side 2

|                           |                |
|---------------------------|----------------|
| Stripping length (jacket) | 20 mm          |
| Family construction form  | free cable end |

取引条件

|                |               |
|----------------|---------------|
| 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      |
| GTIN           | 4048879227001 |
| HSコード          | 85444290      |
| 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  |

Diagnostics

|                       |               |
|-----------------------|---------------|
| Status indication LED | green, yellow |
|-----------------------|---------------|

Installation | Connection

|                           |        |
|---------------------------|--------|
| Stripping length (jacket) | 20 mm  |
| Mounting set              | M8 x 1 |

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           | safe-cover coated |
| Coating of fitting        | nickel plated     |
| 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 | <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 61076-2-104 (M8) |
|------------------|-------------------------|

Installation | Cable

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Cable identification                              | 050                                                            |
| Cable Type                                        | 5                                                              |
| Jacket Color                                      | yellow                                                         |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 3 wires twisted                                                |
| wire arrangement                                  | brown, black, blue                                             |
| Cable weighth                                     | 26,4 g/m                                                       |
| Material jacket                                   | PUR                                                            |
| Shore hardness jacket                             | 58 ± 3 Shore D                                                 |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 4,3 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 3                                                              |
| Outer diameter insulation                         | 1,25 mm                                                        |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| Shore hardness wire insulation                    | 74 ± 3 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 crossection (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                                       |
| 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                                  | 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                                    | DIN EN 60811-404   Good, application-related testing           |
| 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 | 1 Mio.        |
| Torsion stress        | ± 360 °/m     |
| Torsion speed         | 35 cycles/min |