

## M8 female 0° A-cod. with cable

PUR 4x0.34 bk UL/CSA+drag ch. 15m

Female straight

M8, 4-pole

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

with cable sleeves

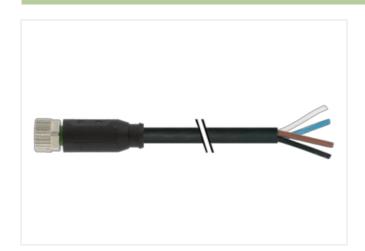
Plastic housings with good resistance against chemicals and oils.

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

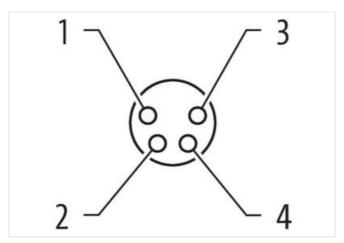
Further cable lengths on request.

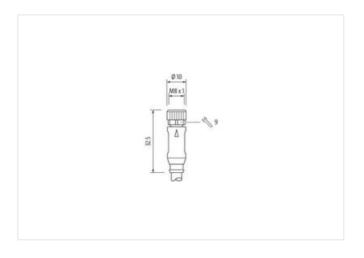
## **Link to Product**

## Illustration









Product may differ from Image











Cable length

15 m

Side 1

Tightening torque

0,4 Nm

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: 2024-05-18



stay connected

| 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                                |
| Coding                                    | A                                     |
| Material contact                          | Copper alloy                          |
| Material                                  | PUR                                   |
| No. of poles                              | 4                                     |
| Width across flats                        | SW9                                   |
| Degree of protection (EN IEC 60529)       | IP65, IP66K, IP67                     |
| Side 2                                    |                                       |
| Stripping length (jacket)                 | 20 mm                                 |
| Coating contact                           | gold plated                           |
| Family construction form                  | free cable end                        |
| Commercial data                           |                                       |
| ECLASS-6.0                                | 27279218                              |
| ECLASS-7.0                                | 27279218                              |
| ECLASS-8.0                                | 27279218                              |
| ECLASS-9.0                                | 27060311                              |
| ECLASS-9.0                                | 27060311                              |
| ECLASS-11.1                               | 27060311                              |
| ECLASS-12.0                               | 27060311                              |
| ETIM-5.0                                  | EC001855                              |
| customs tariff number                     | 85444290                              |
| GTIN                                      | 4048879713160                         |
| Packaging unit                            | 1                                     |
| Electrical data   Supply                  |                                       |
| Operating voltage AC max.                 | 50 V                                  |
| Operating voltage DC max.                 | 60 V                                  |
| Operating voltage AC (UL-listed)          | 30 V                                  |
| Operating voltage DC (UL-listed)          | 30 V                                  |
| Current operating per contact max.        | 4 A                                   |
| Diagnostics                               |                                       |
|                                           |                                       |
| Status indication LED                     | no                                    |
| 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                       | 1,5 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 |
|                                           |                                       |



stay connected

| perating temperature min.                       | -25 °C                                                                                                                                                                                                      |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating temperature max.                      | 85 °C                                                                                                                                                                                                       |
| additional condition temperature range          | depending on cable quality                                                                                                                                                                                  |
| Important installation notes                    |                                                                                                                                                                                                             |
| lote on strain relief                           | Protect the connectors by suitable measures from mechanical leads, e.g. by the usage of cable ties                                                                                                          |
| lote on strain reliei                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.  Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be |
| lote on bending radius                          | endangered by excessive bending forces.                                                                                                                                                                     |
| Conformity                                      |                                                                                                                                                                                                             |
| roduct standard                                 | DIN EN 61076-2-104 (M8)                                                                                                                                                                                     |
| Installation   Cable                            |                                                                                                                                                                                                             |
| vire arrangement                                | brown, black, blue, white                                                                                                                                                                                   |
| Cable identification                            | 634                                                                                                                                                                                                         |
| Cable Type                                      | 3                                                                                                                                                                                                           |
| acket Color                                     | black                                                                                                                                                                                                       |
| ype of Certificate                              | cURus                                                                                                                                                                                                       |
| amount stranding                                | 1                                                                                                                                                                                                           |
| Stranding                                       | 4 wires twisted                                                                                                                                                                                             |
| vire arrangement                                | brown, black, blue, white                                                                                                                                                                                   |
| Cable weigth                                    | 36,3 g/m                                                                                                                                                                                                    |
| Material jacket                                 | PUR                                                                                                                                                                                                         |
| Shore hardness jacket                           | 90 ± 5 Shore A                                                                                                                                                                                              |
| reedom from ingredients (jacket)                | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                                                                              |
| Outer-diameter (jacket)                         | 4.5 mm                                                                                                                                                                                                      |
| olerance outer diameter (sheath)                | ±5%                                                                                                                                                                                                         |
| Material wire insulation                        | PP                                                                                                                                                                                                          |
| mount wires                                     | 4                                                                                                                                                                                                           |
| Outer diameter insulation                       | 1,25 mm                                                                                                                                                                                                     |
| uter diameter tolerance core insulation         | ±5%                                                                                                                                                                                                         |
| Shore hardness wire insulation                  | 70 ± 5 Shore D                                                                                                                                                                                              |
| ngredient freeness wire insulation              | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                                                                              |
| amount strands (wire)                           | 42                                                                                                                                                                                                          |
| Diameter of single wires                        | 0.1 mm                                                                                                                                                                                                      |
| Conductor crosssection (wire)                   | 0,34 mm²                                                                                                                                                                                                    |
| laterial conductor wire                         | Stranded copper wire, bare                                                                                                                                                                                  |
| Conductor type (wire)                           | strand class 6                                                                                                                                                                                              |
| Iominal voltage AC max.                         | 300 V                                                                                                                                                                                                       |
| Current load capacity (standard)                | to DIN VDE 0298-4                                                                                                                                                                                           |
| Current load capacity min. wire                 | 4,8 A                                                                                                                                                                                                       |
| lectrical resistance line constant wire         | 57 Ω/km @ 20 °C                                                                                                                                                                                             |
| C withstand voltage (wire - wire)               | 2,5 kV @ 60 s                                                                                                                                                                                               |
| Ower frequency withstand voltage (wire - acket) | 2,5 kV @ 60 s                                                                                                                                                                                               |
| fin. operating temperature (static)             | -40 °C                                                                                                                                                                                                      |
| Max. operating temperature (fixed)              | 80 °C / 90 °C @ 10000 h Operation                                                                                                                                                                           |
| perating temperature min. (dynamic)             | -25 °C                                                                                                                                                                                                      |
| Operating temperature max. (dynamic)            | 80 °C / 90 °C @ 10000 h Operation                                                                                                                                                                           |
| IV resistance                                   | DIN EN ISO 4892-2 A                                                                                                                                                                                         |
| lame resistance                                 | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2                                                                                                                                                         |
| hemical resistance                              | Good, application-related testing                                                                                                                                                                           |
| Sasoline resistance                             | Good, application-related testing                                                                                                                                                                           |
| Dil resistance                                  | Good, application-related testing   DIN EN 60811-404                                                                                                                                                        |
|                                                 | 5 x Outer diameter                                                                                                                                                                                          |



| Bending radius (dynamic)        | 10 x Outer diameter       |
|---------------------------------|---------------------------|
| No. of bending cycles (C-track) | 10 Mio. @ 25 °C           |
| Traversing distance (C-track)   | 10 m @ 25 °C   horizontal |
| Travel speed (C-track)          | 3 m/s @ 25 °C             |
| No. of torsion cycles           | 2 Mio.                    |
| Torsion stress                  | ± 180 °/m                 |
| Torsion speed                   | 35 cvcles/min             |