

**M8 male 90° / M8 female 90° A-cod. LED**

PVC 3x0.25 bk UL/CSA 10m

Male 90° – female 90°

M8 – M8, 3-pole

2× LED (PNP), (NPN) on request

Art-No. 7005 - M8 Lite - (plastic hexagonal screw) 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 do produto](#)**Ilustração**



Produto pode diferir da imagem



Cable length 10 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  
Width across flats SW9

Side 2

Tightening torque 0,4 Nm  
Thread M8 x 1

Dados comerciais

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  
Classificação fiscal 85444290  
GTIN 4048879125208  
Quantidade por embalagem 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

Device protection | Electrical

As informações contidas nesta folha de dados foram elaboradas com o máximo cuidado.  
A falta de integridade, exatidão e atualização das informações é considerada negligência grave. versão: 10/05/2024

|                                        |                         |
|----------------------------------------|-------------------------|
| 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                       |

**Mechanical data | Material data**

|                  |                  |
|------------------|------------------|
| Coating locking  | Nickeled         |
| Material housing | PUR              |
| Locking material | 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 61076-2-114 (M8) |
|------------------|-------------------------|

**Installation | Cable**

|                                          |                                                  |
|------------------------------------------|--------------------------------------------------|
| Cable identification                     | 610                                              |
| Cable Type                               | 1                                                |
| Jacket Color                             | black                                            |
| Type of Certificate                      | cURus                                            |
| Amount stranding                         | 1                                                |
| Stranding                                | 3 wires twisted                                  |
| wire arrangement                         | brown, black, blue                               |
| Cable weight                             | 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 %                                            |
| 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)                | 80 °C                                                |
| Operating temperature min. (dynamic)              | -5 °C                                                |
| Operating temperature max. (dynamic)              | 80 °C                                                |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   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                                  |