

## M12 Power L-coded 4pol. male 0° with cable

TPE 4x16AWG ye UL/CSA, TC-ER, IEC 1.5m

USA

Power

Male straight

M12, 4-pole

L-coded

without cable sleeves

Cable is approved for 600 V

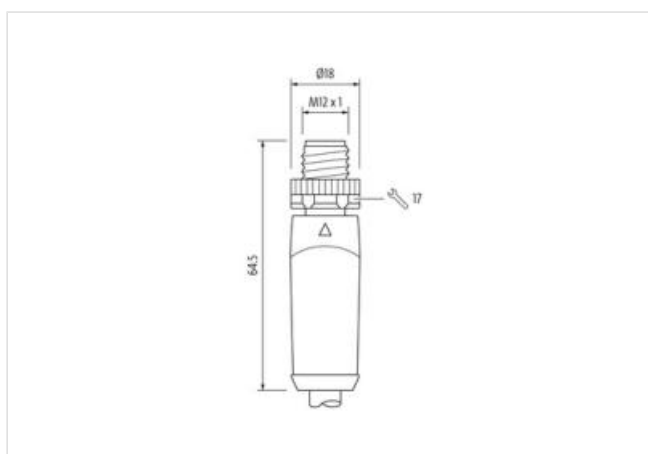
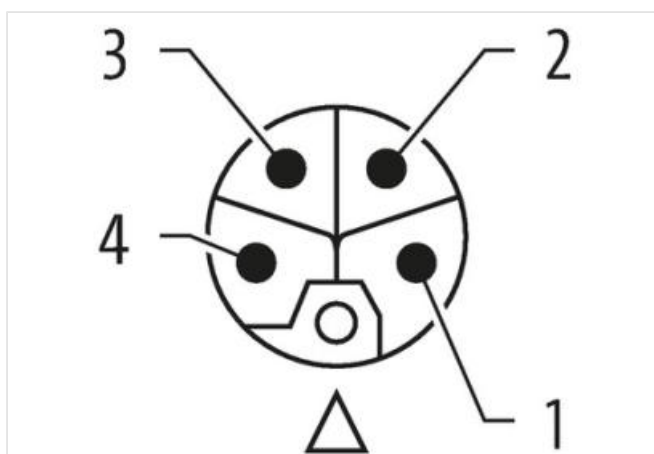
Plastic housings with good resistance against chemicals and oils.

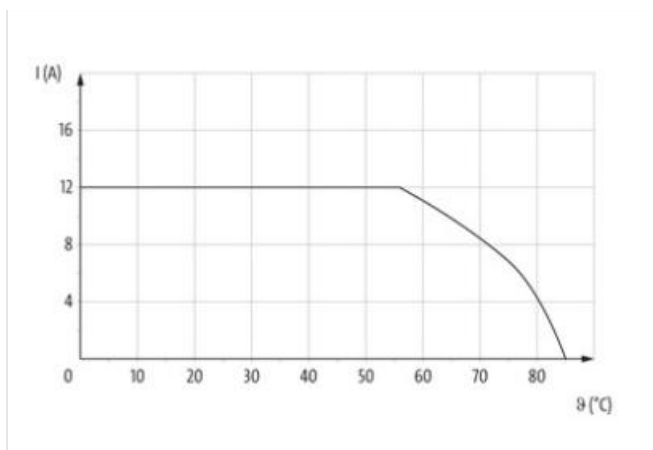
The resistance to aggressive media should be individually tested for your application. Further details on request.

Further cable lengths on request.

### Odkaz k produktu

#### Obrázky





Výrobok sa môže líšiť od zobrazenia



Cable length 1,5 m

#### Side 1

|                                           |                    |
|-------------------------------------------|--------------------|
| Tightening torque                         | 0,6 Nm             |
| Mounting method                           | inserted, screwing |
| Coating contact                           | gold plated        |
| Family construction form                  | M12P               |
| Thread                                    | M12 x 1            |
| suitable for corrugated tube (internal Ø) | 16,4 mm            |
| Coding                                    | L                  |
| Material contact                          | Copper alloy       |
| No. of poles                              | 4                  |

#### Side 2

Stripping length (jacket) 100 mm

#### Commercial data

|                       |               |
|-----------------------|---------------|
| ECLASS-6.0            | 27279218      |
| ECLASS-6.1            | 27279218      |
| ECLASS-7.0            | 27279218      |
| ECLASS-8.0            | 27279218      |
| ECLASS-9.0            | 27060327      |
| ECLASS-10.1           | 27060311      |
| ECLASS-11.1           | 27060311      |
| ECLASS-12.0           | 27060327      |
| ETIM-5.0              | EC001855      |
| customs tariff number | 85444290      |
| GTIN                  | 4048879848992 |
| Packaging unit        | 1             |

#### Electrical data | Supply

|                                    |      |
|------------------------------------|------|
| Operating voltage DC max.          | 63 V |
| Current operating per contact max. | 12 A |

#### Diagnostics

|                       |    |
|-----------------------|----|
| Status indication LED | no |
|-----------------------|----|

#### Installation | Connection

Informácie v tomto produkte PDF boli zostavené s maximálnou starostlivosťou.  
Zodpovednosť sa obmedzuje hrubou nebanlivosťou vo vzťahu k správnosti, úplnosti a aktuálnosti. Stav: 03.06.2024

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|                                                 |                                                                                                                                                       |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stripping length (jacket)                       | 100 mm                                                                                                                                                |
| Width across flats                              | SW17                                                                                                                                                  |
| <b>Device protection   Electrical</b>           |                                                                                                                                                       |
| Degree of protection (EN IEC 60529)             | IP65, IP67                                                                                                                                            |
| Additional condition protection degree          | inserted, screwed                                                                                                                                     |
| Pollution Degree                                | 3                                                                                                                                                     |
| Rated surge voltage                             | 1,5 kV                                                                                                                                                |
| Material group (IEC 60664-1)                    | I                                                                                                                                                     |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                       |
| Coating locking                                 | Nickeled                                                                                                                                              |
| Material housing                                | PUR                                                                                                                                                   |
| Locking material                                | Zinc die-casting                                                                                                                                      |
| <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>Important installation notes</b>             |                                                                                                                                                       |
| 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. |
| <b>Conformity</b>                               |                                                                                                                                                       |
| Product standard                                | IEC 61076-2-111                                                                                                                                       |
| <b>Installation   Cable</b>                     |                                                                                                                                                       |
| wire arrangement                                | brown, black, blue, white                                                                                                                             |
| Cable identification                            | U0C                                                                                                                                                   |
| Jacket Color                                    | yellow                                                                                                                                                |
| Type of Certificate                             | cURus                                                                                                                                                 |
| Amount stranding                                | 1                                                                                                                                                     |
| Stranding                                       | 4 wires with 5 Filler twisted                                                                                                                         |
| Banding                                         | Foil                                                                                                                                                  |
| Filler                                          | yes                                                                                                                                                   |
| wire arrangement                                | brown, black, blue, white                                                                                                                             |
| Cable weight                                    | 117,7 g/m                                                                                                                                             |
| Material jacket                                 | TPE                                                                                                                                                   |
| Freedom from ingredients (jacket)               | lead-free, CFC-free, halogen-free                                                                                                                     |
| Outer-diameter (jacket)                         | 9,02 mm                                                                                                                                               |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                 |
| Material wire insulation                        | PVC                                                                                                                                                   |
| Amount wires                                    | 4                                                                                                                                                     |
| Outer diameter insulation                       | 2,62 mm                                                                                                                                               |
| Outer diameter tolerance core insulation        | ± 5 %                                                                                                                                                 |
| Ingredient freeness wire insulation             | lead-free, CFC-free                                                                                                                                   |
| Amount strands (wire)                           | 65                                                                                                                                                    |
| Diameter of single wires                        | 16 AWG                                                                                                                                                |
| Conductor crosssection (wire)                   | 16 AWG                                                                                                                                                |
| Material conductor wire                         | Stranded copper wire, bare                                                                                                                            |
| Nominal voltage AC max.                         | 600 V                                                                                                                                                 |
| Current load capacity (standard)                | according to NFPA-70 (NEC) : 400.5(A) (1-3)                                                                                                           |
| Current load capacity min. wire                 | 8 A                                                                                                                                                   |

|                                                   |                                                      |
|---------------------------------------------------|------------------------------------------------------|
| Electrical resistance line constant wire          | 13,2 $\Omega$ /km @ 20 °C                            |
| AC withstand voltage (wire - wire)                | 6 kV @ 60 s                                          |
| Power frequency withstand voltage (wire - jacket) | 6 kV @ 60 s                                          |
| Min. operating temperature (static)               | -50 °C                                               |
| Max. operating temperature (fixed)                | 105 °C                                               |
| Operating temperature min. (dynamic)              | -20 °C                                               |
| Operating temperature max. (dynamic)              | 90 °C                                                |
| 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)                            | 8 x Outer diameter                                   |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| No. of bending cycles (C-track)                   | 2 Mio.                                               |