

**M12 Power L-coded 5pol. female 0° with cable**

TPE 5x16AWG ye UL/CSA, TC-ER, IEC 3m

USA

Power

Female straight

M12, 5-pole

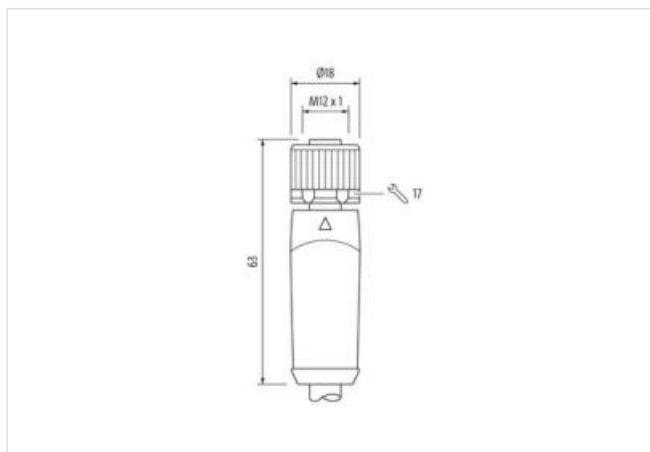
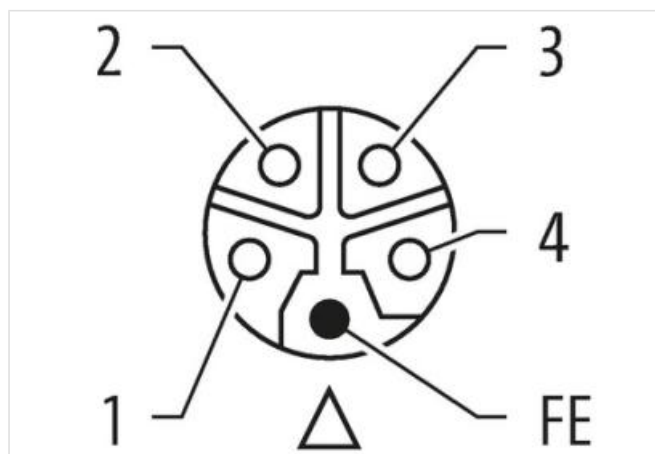
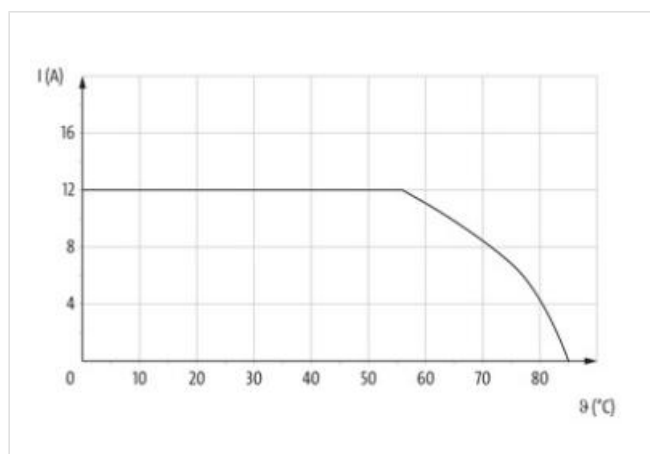
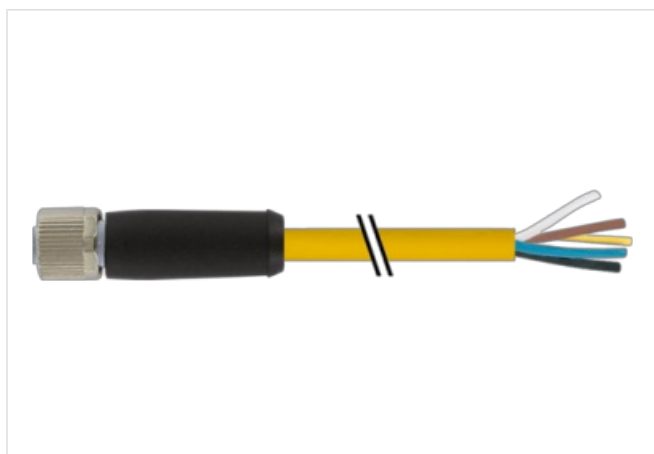
L-coded

without 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                              | 3 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 mm              |
| Coding                                    | L                  |
| Material contact                          | Copper alloy       |
| No. of poles                              | 5                  |
| Width across flats                        | SW17               |
| Degree of protection (EN IEC 60529)       | IP65, IP67         |
| 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                                      | 4048879823579      |
| 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

|                           |        |
|---------------------------|--------|
| Stripping length (jacket) | 100 mm |
| Tightening torque         | 0,6 Nm |
| Width across flats        | SW17   |

#### Installation | Pin assignment

|        |   |
|--------|---|
| Coding | L |
|--------|---|

#### Device protection | Electrical

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

#### Mechanical data | Material data

|                  |                  |
|------------------|------------------|
| Coating locking  | Nickeled         |
| Material gasket  | FKM              |
| 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 | IEC 61076-2-111 |
|------------------|-----------------|

#### Installation | Cable

|  |                                   |
|--|-----------------------------------|
| wire arrangement                         | brown, black, blue, white, gray   |
| Cable identification                     | U0D                               |
| Jacket Color                             | yellow                            |
| Type of Certificate                      | cURus                             |
| Amount stranding                         | 1                                 |
| Stranding                                | 5 wires around Filler twisted     |
| Banding                                  | Foil                              |
| Filler                                   | yes                               |
| wire arrangement                         | brown, black, blue, white, gray   |
| Cable weight                             | 144,1 g/m                         |
| Material jacket                          | TPE                               |
| Freedom from ingredients (jacket)        | lead-free, CFC-free, halogen-free |
| Outer-diameter (jacket)                  | 9,78 mm                           |
| Tolerance outer diameter (sheath)        | ± 5 %                             |
| Material wire insulation                 | PVC                               |
| Amount wires                             | 5                                 |
| 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 § 1090   UL 1581 § 1100 FT2  |
| 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.   |