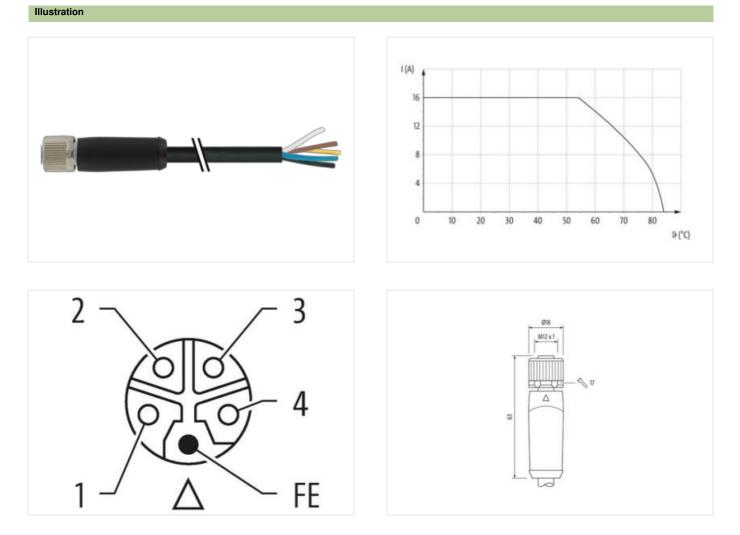


## M12 Power female 0° L-cod. with cable

PUR 5x2.5 bk UL/CSA+drag ch. 10m

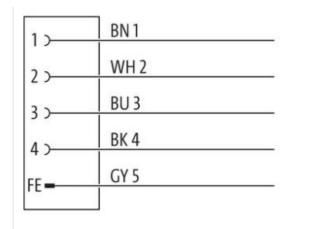
Power Female straight M12, 5-pole L-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

## Link to Product



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Product may differ from Image



| Cable length   | 10 m              |
|--|-------------------|
| Side 1   |                   |
| Tightening torque                                    | 0,6 Nm            |
| Mounting method                                      | inserted, screwed |
| 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   | 5                 |
| 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   | 4048879858168     |
| Packaging unit                                       | 1                 |
| Electrical data   Supply                             |                   |
| Operating voltage DC max.                            | 63 V              |
| Current operating per contact max.                   | 16 A              |
| Diagnostics  |                   |
| Status indication LED                                | no                |
| Installation   Connection                            |                   |
| mation in this Product-PDE has been compiled with th |                   |

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| Device protection   ElectricalDegree of protection (EN IEC 60529)IP6Additional condition protection degreeinsePollution Degree3Rated surge voltage1,5Material group (IEC 60664-1)IMechanical data   Material dataCoating lockingCoating lockingNiceMaterial gasketFKIMaterial housingPULocking materialZineMechanical data   Mounting dataInseMounting methodinseEnvironmental characteristics   ClimaticOperating temperature min25Operating temperature max.85Additional condition temperature rangedegrConformityProduct standardIECInstallation   CableCable identificationP34  |   |
|---|---|
| Degree of protection (EN IEC 60529)       IP6         Additional condition protection degree       insate         Pollution Degree       3         Rated surge voltage       1,5         Material group (IEC 60664-1)       I         Mechanical data   Material data       Image: Coating locking         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zim         Mechanical data   Mounting data       Image: Conformity         Mounting temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       degree         Conformity       Product standard         Product standard       IEC         Cable identification       P34 | serted, screwed   |
| Additional condition protection degree       insate         Pollution Degree       3         Rated surge voltage       1,5         Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       insate         Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       degree         Conformity       Product standard         Product standard       IEC         Cable identification       P34                          | serted, screwed   |
| Additional condition protection degree       inservent         Pollution Degree       3         Rated surge voltage       1,5         Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       inservent         Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       degree         Conformity       Product standard         Product standard       IEC         Installation   Cable       Cable identification   | serted, screwed   |
| Pollution Degree       3         Rated surge voltage       1,5         Material group (IEC 60664-1)       I         Mechanical data   Material data       Coating locking         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       insate         Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Product standard       IEC         Loable identification       P34  | 5 kV<br>ickeled<br>KM<br>UR<br>inc die-casting<br>serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality |
| Rated surge voltage       1,5         Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       inset         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Product standard       IEC         Installation   Cable       Cable identification   | ickeled KM UR inc die-casting serted, screwed, Shaking protection 25 °C 5 °C epending on cable quality                              |
| Material group (IEC 60664-1)       I         Mechanical data   Material data       I         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Inse         Mounting method       inse         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Product standard       IEC         Losable identification       P34  | ickeled KM UR inc die-casting serted, screwed, Shaking protection 25 °C 5 °C epending on cable quality                              |
| Mechanical data   Material data         Coating locking       Nic         Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       inse         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Installation   Cable       Cable identification  | KM<br>UR<br>inc die-casting<br>serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality                    |
| Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Inse         Mounting method       inse         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Installation   Cable       Cable identification   | KM<br>UR<br>inc die-casting<br>serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality                    |
| Material gasket       FKI         Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Inse         Mounting method       inse         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Installation   Cable       Cable identification   | KM<br>UR<br>inc die-casting<br>serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality                    |
| Material housing       PU         Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       inset         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Installation   Cable       Cable identification   | UR<br>inc die-casting<br>serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality                          |
| Locking material       Zin         Mechanical data   Mounting data       Mounting method         Mounting method       insate         Environmental characteristics   Climatic       Operating temperature min.         Operating temperature max.       85         Additional condition temperature range       deg         Conformity       Product standard         Installation   Cable       Cable identification  | inc die-casting<br>serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality                                |
| Mechanical data   Mounting data         Mounting method       inset         Environmental characteristics   Climatic         Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       dep         Conformity       Product standard       IEC         Installation   Cable       Cable identification       P34  | serted, screwed, Shaking protection<br>25 °C<br>5 °C<br>epending on cable quality   |
| Mounting method       inset         Environmental characteristics   Climatic       Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       dep         Conformity       Product standard       IEC         Installation   Cable       Cable identification       P34  | 25 °C<br>5 °C<br>epending on cable quality  |
| Environmental characteristics   Climatic         Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       dep         Conformity       Product standard         Installation   Cable       Cable identification  | 25 °C<br>5 °C<br>epending on cable quality  |
| Operating temperature min.       -25         Operating temperature max.       85         Additional condition temperature range       dep         Conformity       Product standard       IEC         Installation   Cable       Cable identification       P34   | 5 °C<br>epending on cable quality   |
| Operating temperature max.     85       Additional condition temperature range     dep       Conformity     Product standard       Installation   Cable     Cable identification  | 5 °C<br>epending on cable quality   |
| Additional condition temperature range       dep         Conformity       Product standard         IEC       IEC         Installation   Cable       Cable identification  | epending on cable quality   |
| Conformity       Product standard       IEC       Installation   Cable       Cable identification       P34   |   |
| Product standard IEC<br>Installation   Cable<br>Cable identification P34  | EC 61076-2-111  |
| Installation   Cable       Cable identification     P34   | C 61076-2-111   |
| Cable identification P34  |   |
|   |   |
|   | 34  |
| Cable Type 3  |   |
| Printing color of wire insulation black   | ack (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)             |
|   | ack   |
| Type of Certificate cUI   | JRus  |
| Amount stranding 1  |   |
| Stranding 5 w   | wires around Filler twisted   |
| Filler yes  | 25  |
| wire arrangement gra  | ray 5, black 4, blue 3, white 2, brown 1  |
| Traversing distance (C-track) 5 m   | m@25°C  |
| Material jacket PU  | UR  |
| Shore hardness jacket 90  | 0 ± 5 Shore A   |
| Freedom from ingredients (jacket) lead  | ad-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Outer-diameter (jacket) 9,5   | 5 mm  |
| Tolerance outer diameter (sheath) ± 5   | 5%  |
| Material wire insulation PP   | Ρ   |
| Amount wires 5  |   |
| Outer diameter insulation 2,8   | 85 mm   |
| Outer diameter tolerance core insulation ± 5  | 5 %   |
| Shore hardness wire insulation 60   | 0 ± 5 Shore D   |
| Ingredient freeness wire insulation least   | ad-free, cadmium-free, CFC-free, halogen-free, silicone-free  |
| Printing color of wire insulation black   | ack (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation)             |
| Amount strands (wire) 141   | 41  |
| Diameter of single wires 0,1  | 15 mm   |
| Conductor crosssection (wire) 2,5   | 5 mm <sup>2</sup>   |
| Material conductor wire Stra  | tranded copper wire, bare   |
| Conductor type (wire) stra  | rand class 6  |
| Nominal voltage AC max. 100   | 000 V   |
| Current load capacity (standard) to I   | DIN VDE 0298-4  |
| Current load capacity min. wire 19,   | 254   |

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| Electrical resistance line constant wire          | 8 Ω/km @ 20 °C                                       |
|---|--|
| AC withstand voltage (wire - wire)                | 10 kV @ 60 s   |
| Power frequency withstand voltage (wire - jacket) | 10 kV @ 60 s   |
| Min. operating temperature (static)               | -50 °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                    |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | Good, application-related testing   DIN EN 60811-404 |
| Bending radius (installation)                     | x Outer diameter                                     |
| Bending radius (fixed)                            | 7,5 x Outer diameter                                 |
| Bending radius (dynamic)                          | 10 x Outer diameter                                  |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                       |
| No. of torsion cycles                             | 2 Mio.   |
| Torsion stress                                    | ± 180 °/m  |
| Torsion speed                                     | 35 cycles/min  |

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