

M12 Power female 0° L-cod. with cable

PUR 5x1.5 bk UL/CSA+drag ch. 12m

Power Female straight M12, 5-pole L-coded

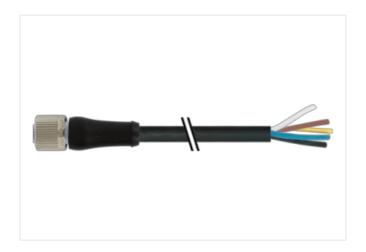
with cable sleeves

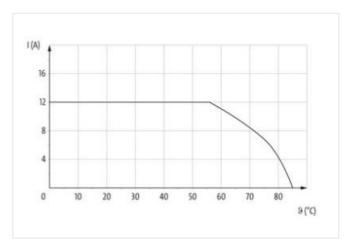
Plastic housings with good resistance against chemicals and oils.

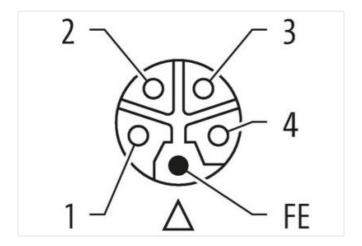
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

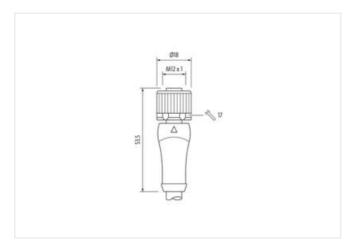
Link to Product

Illustration













Product may differ from Image









| Cable length | 12 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) | 12 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 | 4048879856966 |
| 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 | |

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| Stripping length (jacket) | 100 mm |
|---|---|
| Width across flats | SW17 |
| 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) | |
| Mechanical data Material data | |
| · | Nickeled |
| Coating locking Material gasket | FKM |
| Material housing | PUR |
| Locking material | Zinc die-casting |
| | 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 | Attention: 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 | |
| • | |
| Cable identification | P04 |
| Cable identification Cable Type | 904 3 |
| Cable Type | 3 |
| Cable Type Printing color of wire insulation | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) |
| Cable Type Printing color of wire insulation Jacket Color | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) |
| Cable Type Printing color of wire insulation Jacket Color | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket | 3 black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP 5 2,3 mm ± 5 % |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP 5 2,3 mm |
| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter insulation Outer diameter tolerance core insulation | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP 5 2,3 mm ± 5 % |
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| Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding Filler wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material wire insulation Amount wires Outer diameter tolerance core insulation Shore hardness wire insulation Ingredient freeness wire insulation Printing color of wire insulation Amount strands (wire) | black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) black cURus 1 5 wires around Filler twisted yes gray 5, black 4, blue 3, white 2, brown 1 129,8 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 8,2 mm ± 5 % PP 5 2,3 mm ± 5 % 60 ± 5 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free black (white isolation), white (isolation blue), white (isolation brown), white (isolation black), white (gray isolation) |
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| Material conductor wire | Stranded copper wire, bare |
|---|--|
| Conductor type (wire) | strand class 6 |
| Traversing distance (C-track) | 5 m @ 25 °C |
| Nominal voltage AC max. | 1000 V |
| Current load capacity (standard) | to DIN VDE 0298-4 |
| Current load capacity min. wire | 13,5 A |
| Electrical resistance line constant wire | 13,3 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 UL 1581 § 1090 IEC 60332-2-2 |
| 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) | 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 |