

MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

15.0m PUR 16x0,34+5x0,75, UL/CSA

8-way, 5-pole, DIAGNOSTIC 15.0 m

Operating current: 2 A per M12 (female)

integrated electronic current monitoring with shutoff

electronic diagnostic with ERROR LED

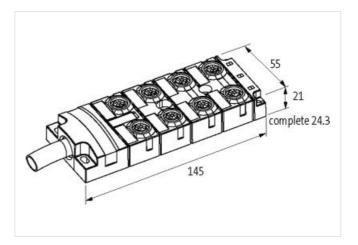
Further cable lengths on request.

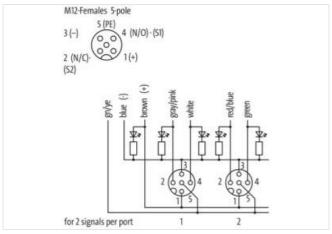
All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a fault the DIAGNOSTIC signal "active high" to the PLC (wire "brown" 2) drops from 24 V DC to 0 V. The operator can immediately react by analysing the diagnostic signal.

Link to Product

Illustration







Product may differ from Image



Commercial data



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| ECLASS-6.1 27279219 ECLASS-7.0 27279219 ECLASS-7.0 27279219 ECLASS-8.0 27240108 ECLASS-9.0 27440108 ECLASS-10.1 27440108 ECLASS-10.1 27440108 ECLASS-11.1 27440108 ECLASS-12.0 27440108 ESCASS-12.0 27 | | |
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| Product standard EN 61131-2 Installation Cable | | |
| Installation Cable | | EN 61131 2 |
| | | LIN UI 131-2 |
| Cable identification 403 | | |
| | Cable identification | 403 |

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-19



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| Printing color of wire insulation | white (isolation blue), white (isolation brown) | |
|---|---|--|
| Jacket Color | gray | |
| Type of Certificate | cURus | |
| Amount stranding | 1 | |
| Stranding | 5 wires around Core filler twisted | |
| Stranding factor min. | 70 mm | |
| Stranding factor max. | 70 mm | |
| Amount stranding (type 2) | 1 | |
| Stranding (type 2) | 16 wires counter-rotating twisted | |
| Stranding factor min. (type 2) | 105 mm | |
| Stranding factor max. (type 2) | 105 mm | |
| Banding | Fleece | |
| Filler | yes | |
| wire arrangement | (gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, green-white, green, red-blue, white), brown 1, blue 2, brown 2, green-yellow, blue 1 | |
| No. of bending cycles (C-track) | 5 Mio. @ 25 °C | |
| Cable weigth | 253 g/m | |
| | PUR PUR | |
| Material jacket | | |
| Shore hardness jacket | 85 ± 5 Shore A | |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free | |
| Outer-diameter (jacket) | 11,5 mm | |
| Tolerance outer diameter (sheath) | ±5% | |
| Material wire insulation | TPE | |
| Amount wires | 5 | |
| Outer diameter insulation | 1,8 mm | |
| Outer diameter tolerance core insulation | ±5% | |
| Shore hardness wire insulation | 55 ± 5 Shore D | |
| Ingredient freeness wire insulation | lead-free, CFC-free, halogen-free, silicone-free, LABS-free | |
| Printing color of wire insulation | white (isolation blue), white (isolation brown) | |
| Amount strands (wire) | 96 | |
| Diameter of single wires | 0,1 mm | |
| Conductor crosssection (wire) | 0,75 mm ² | |
| Material conductor wire | Stranded copper wire, bare | |
| Conductor type (wire) | strand class 6 | |
| Material wire insulation (Data) | TPE | |
| Outer diameter wire insulation (Data) | 1,4 mm | |
| Tolerance outer diameter wire insulation (data) | ±5% | |
| Shore hardness wire insulation (Data) | 55 ± 5 Shore D | |
| Ingredient freeness wire insulation (Data) | lead-free, CFC-free, halogen-free, silicone-free, LABS-free | |
| Amount wires (Data) | 16 | |
| Amount strands wire (Data) | 42 | |
| Diameter of single wires (Data) | 0,1 mm | |
| Conductor crosssection wire (Data) | 0,34 mm ² | |
| Material conductor wire (Data) | Stranded copper wire, bare | |
| Wire conductor type (Data) | strand class 6 | |
| Traversing distance (C-track) | 1,8 m @ 25 °C | |
| Current load capacity (standard) | to DIN VDE 0298-4 | |
| Current load capacity min. wire | 9 A | |
| Current load capacity min. Wire (Data) | 4 A | |
| Electrical resistance line constant wire | 26 Ω/km @ 20 °C | |
| Electrical resistance coating wire (Data) | 57 Ω/km @ 20 °C | |
| Max. rated voltage power (conductor - ground) | 300 V | |
| Max. rated voltage power (conductor - | | |
| conductor) | 500 V | |



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| Power frequency withstand voltage power (wire - jacket) | 2 kV @ 60 s | |
|---|--|--|
| AC withstand voltage power (wire - wire) | 2 kV @ 60 s | |
| Min. operating temperature (static) | -40 °C | |
| Max. operating temperature (fixed) | 90 °C | |
| Operating temperature min. (dynamic) | -25 °C | |
| Operating temperature max. (dynamic) | 80 °C | |
| 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) | 5 x Outer diameter | |
| Bending radius (dynamic) | 10 x Outer diameter | |
| Connection type 2 | | |
| Family construction form | free cable end | |
| No. of poles | 21 | |
| Family construction form | M12 | |
| Gender | female | |
| Color contact carrier | black | |
| Coding | A | |
| No. of poles | 5 | |
| PIN 1 | + | |
| PIN 2 | NC S 2 | |
| PIN 3 | - | |
| PIN 4 | NO S 1 | |
| PIN 5 | PE | |