

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

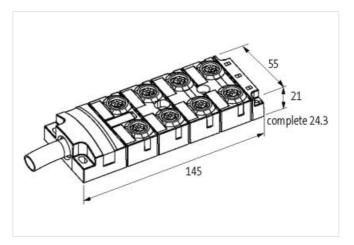
Further cable lengths on request.

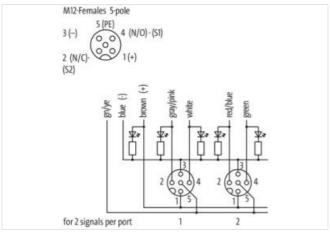
All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case of overload or short-circuit (self-reseting). Supply voltage of other ports remains the same. In case of a fault the DIAGNOSTIC signal "active high" to the PLC (wire "brown" 2) drops from 24 V DC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

Link to Product

Illustration







Product may differ from Image



Commercial data



stay connected

| 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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| Height 145 mm Width 55 mm Depth 21 mm Environmental characteristics Climatic Operating temperature min20 °C Operating temperature max. 60 °C Conformity Product standard EN 61131-2 Installation Cable | Mechanical data Mounting data | |
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| Environmental characteristics Climatic Operating temperature min. Operating temperature max. 60 °C Conformity Product standard EN 61131-2 Installation Cable | Width | 55 mm |
| Operating temperature min. -20 °C Operating temperature max. 60 °C Conformity Product standard EN 61131-2 Installation Cable | Depth | 21 mm |
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| Conformity Product standard EN 61131-2 Installation Cable | · · · | |
| Product standard EN 61131-2 Installation Cable | | |
| Installation Cable | | EN 61131 2 |
| | | LIN UI 131-2 |
| Cable identification 403 | | |
| | Cable identification | 403 |



stay connected

| Printing color of wire insulation | white (isolation blue), white (isolation brown) | |
|---|---|--|
| Jacket Color | gray | |
| Гуре 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 | |
| Material jacket | PUR | |
| Shore hardness jacket | 85 ± 5 Shore A | |
| Freedom from ingredients (jacket) | | |
| reedom nom 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 | |
| ngredient 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 | |
| Folerance outer diameter wire insulation (data) | | |
| Shore hardness wire insulation (Data) | 55 ± 5 Shore D | |
| ngredient 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 | |
| <u> </u> | strand class 6 | |
| wire conductor type (1.1919) | | |
| Wire conductor type (Data) Fraversing distance (C-track) | 18 m @ 25 °C | |
| Fraversing distance (C-track) | 1,8 m @ 25 °C to DIN VDE 0298-4 | |
| Fraversing distance (C-track) Current load capacity (standard) | to DIN VDE 0298-4 | |
| Fraversing distance (C-track) Current load capacity (standard) Current load capacity min. wire | to DIN VDE 0298-4 9 A | |
| Traversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Current load capacity min. Wire (Data) | to DIN VDE 0298-4 9 A 4 A | |
| Current load capacity (standard) Current load capacity min. wire Current load capacity min. Wire (Data) Electrical resistance line constant wire | to DIN VDE 0298-4 9 A 4 A 26 Ω/km @ 20 °C | |
| Fraversing distance (C-track) Current load capacity (standard) Current load capacity min. wire Current load capacity min. Wire (Data) Electrical resistance line constant wire Electrical resistance coating wire (Data) | to DIN VDE 0298-4 9 A 4 A 26 Ω/km @ 20 °C 57 Ω/km @ 20 °C | |
| Current load capacity (standard) Current load capacity min. wire Current load capacity min. Wire (Data) Electrical resistance line constant wire | to DIN VDE 0298-4 9 A 4 A 26 Ω/km @ 20 °C 57 Ω/km @ 20 °C | |



| 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 |