MURR ELEKTRONIK
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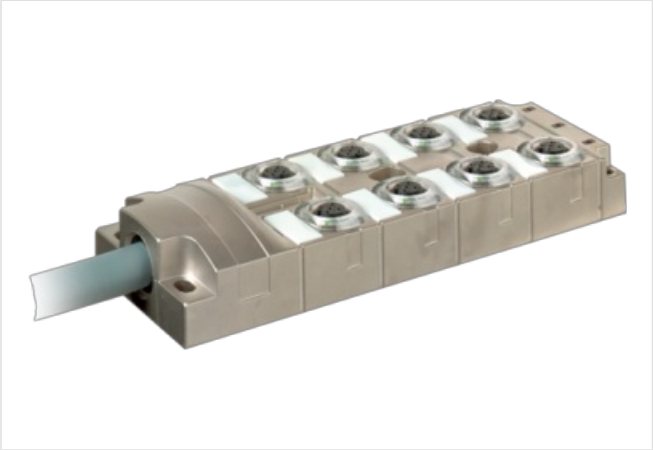
**MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE**

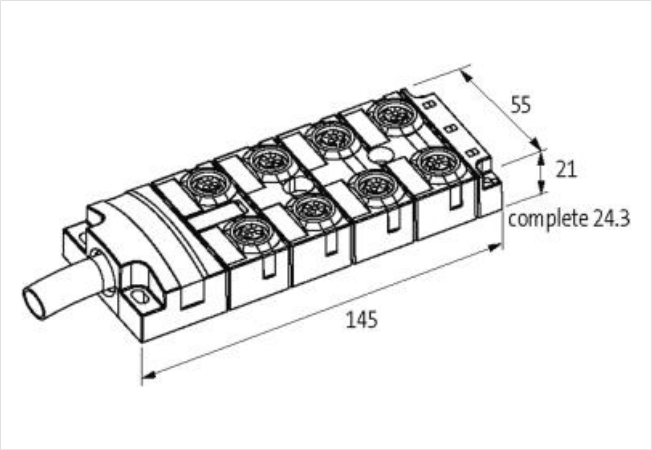
5.0m PUR 16x0,34+5x0,75, UL/CSA

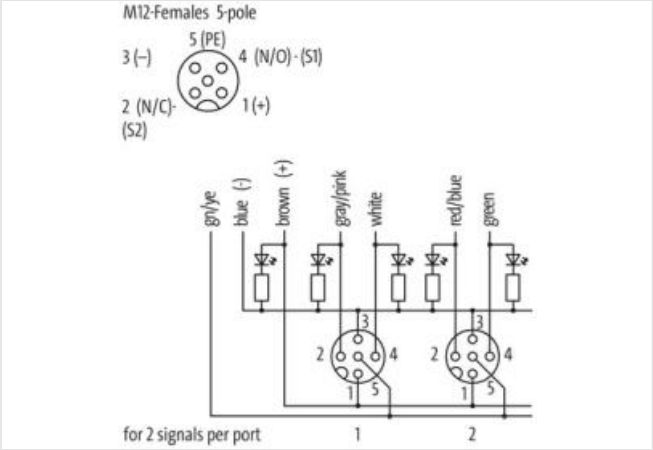
8-way, 5-pole, DIAGNOSTIC
5.0 m
Operating current: 2 A per M12 (female)
integrated electronic current monitoring with shutoff
electronic diagnostic with ERROR LED
Further cable lengths on request.
All M12 ports are current monitored regarding 0 V total current (contact 3), and are switched off in case 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 naar het product

### Afbeelding






Product van afwijken van afbeelding

### Commerciële gegevens

De informatie in dit datablad is met de grootst mogelijke zorg samengesteld.
Aansprakelijkheid beperkt tot grove nalatigheid voor de juistheid, volledigheid en actualiteit. Status: 2024-03-28

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| | |
|---|---|
| ECLASS-6.0 | 27279219 |
| ECLASS-6.1 | 27279219 |
| ECLASS-7.0 | 27279219 |
| ECLASS-8.0 | 27279219 |
| ECLASS-9.0 | 27440108 |
| ECLASS-10.1 | 27440108 |
| ECLASS-11.1 | 27440108 |
| ECLASS-12.0 | 27440108 |
| ETIM-5.0 | EC002585 |
| Douane tarief nummer | 85444290 |
| GTIN | 4048879063487 |
| Verpakkingseenheid | 1 |
| **Electrical data \| Supply** | |
| Operating voltage DC | 24 V |
| Current consumption max. | 35 mA |
| Total current max. | 10 A |
| **Electrical data \| Input** | |
| Current input full equipment min. | 20 A |
| Current carrying capacity per port max. | 2,5 A |
| **Electrical data \| Output** | |
| Diagnostic output | active high |
| Current diagnostic output max. | 25 mA |
| **Diagnostics** | |
| Status indication LED | green, red |
| **Installation \| Connection** | |
| Mounting set | M12 x 1 |
| **Device protection \| Electrical** | |
| Degree of protection (EN IEC 60529) | IP65, IP67, IP68 |
| Additional condition protection degree | inserted, screwed |
| Short circuit current min. | 2,3 A |
| Short circuit current max. | 2,7 A |
| Short-circuit protected | yes |
| Overload resistant | yes |
| Overload current min. | 2,3 A |
| Overload current max. | 2,7 A |
| **Mechanical data \| Material data** | |
| Coating housing | Nickeled |
| Material housing | Zinc die-casting |
| **Mechanical data \| Mounting data** | |
| Mounting method | Schraubgewinde |
| Height | 145 mm |
| Width | 55 mm |
| Depth | 21 mm |
| **Environmental characteristics \| Climatic** | |
| Operating temperature min. | -20 °C |
| Operating temperature max. | 60 °C |
| **Conformity** | |
| Product standard | EN 61131-2 |
| **Installation \| Cable** | |
| Cable identification | 403 |

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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 |
| Cable weigth | 253 g/m |
| Material jacket | PUR |
| 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 mm² |
| 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 mm² |
| Material conductor wire (Data) | Stranded copper wire, bare |
| Wire conductor type (Data) | strand class 6 |
| No. of bending cycles (C-track) | 5 Mio. @ 25 °C |
| 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 |

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