

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

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

8-way, 5-pole, DIAGNOSTIC

15.0 m

integrated electronic current monitoring with shutoff

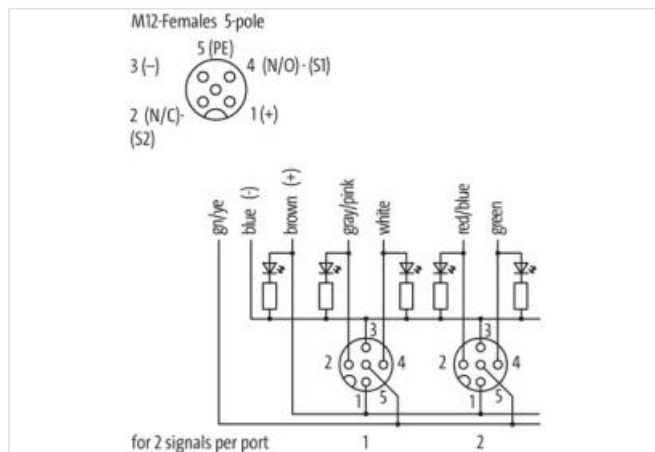
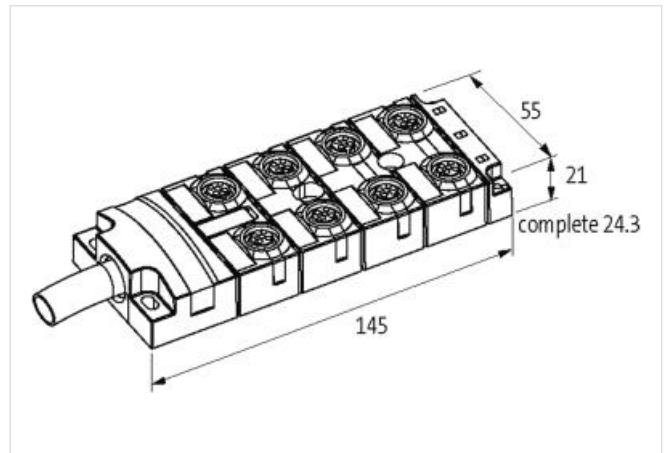
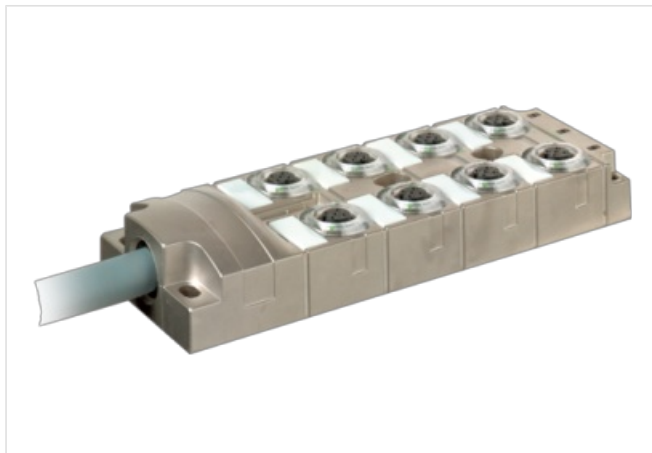
electronic diagnostic with ERROR LED

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-resetting). 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.

### 제품 링크

#### 일러스트



실제 제품은 이미지와 다를 수 있습니다.



#### 제품자료

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          |
| GTIN                                     | 4048879063722     |
| 세번부호                                     | 85444290          |
| 포장단위                                     | 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.        | 10 A              |
| Current carrying capacity per port max.  | 0,5 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 |
| Overload resistant                       | yes               |
| Short-circuit protected                  | yes               |
| Short circuit current min.               | 0,7 A             |
| Short circuit current max.               | 0,9 A             |
| Overload current min.                    | 0,7 A             |
| Overload current max.                    | 0,9 A             |
| Mechanical data   Material data          |                   |
| Coating housing                          | Nickel            |
| 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               |

|                                                  |                                                                                                                                                                                                           |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 weight                                     | 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                                                                                                                                                                                            |
| 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                                                                                                                                                                                                     |

|                                                         |                                                      |
|---------------------------------------------------------|------------------------------------------------------|
| 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             |