

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

5.0m PUR 16x0,5+3x1,0, UL/CSA

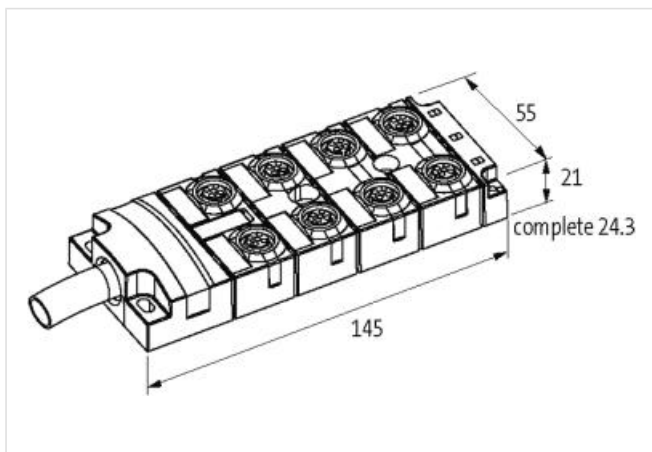
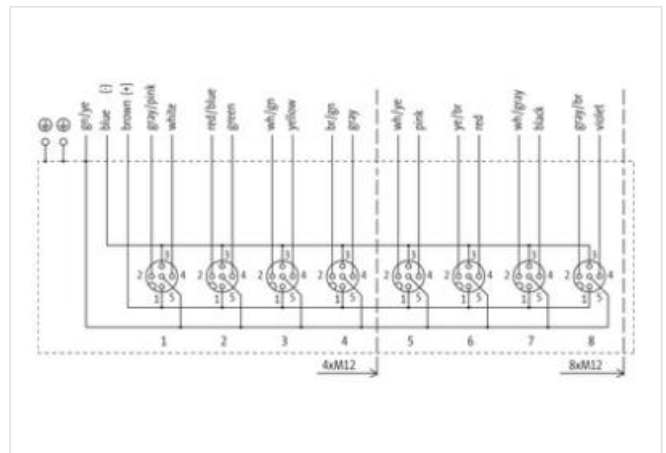
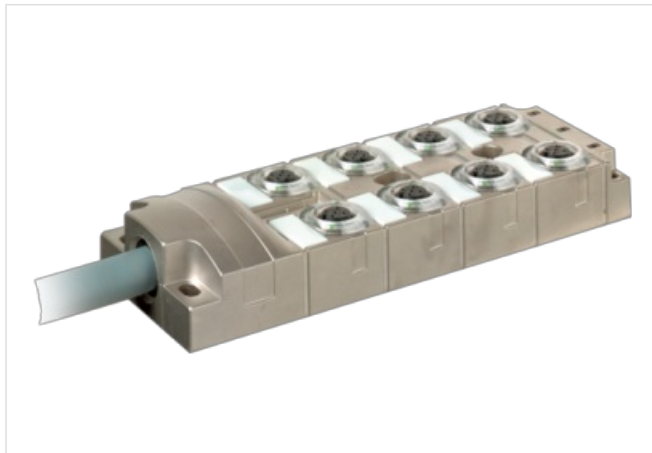
5.0 m

8-way, 5-pole

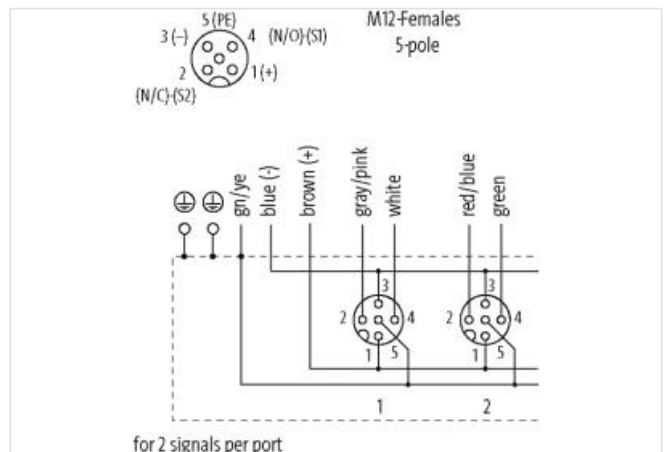
Replaces identical product (Art.No. 27497)

without LED for analog signals up to 125 V AC/DC

Further cable lengths on request.

[Link to Product](#)**Illustration**

Product may differ from Image

**Technical Data**

|                               |                                       |
|-------------------------------|---------------------------------------|
| Operating voltage             | max. 125 V AC/DC                      |
| Operating current per contact | max. 4 A                              |
| Locking of ports              | Screw thread (M12x1 mm)               |
| Protection                    | IP65, IP67, IP68                      |
| Housing                       | Zinc die casting, matte nickel plated |

The information in this brochure has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-11-13

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| General data                           |                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Temperature range                      | -20...+90 °C, depending on cable quality                                                                                                               |
| Cables                                 |                                                                                                                                                        |
| Cable identification                   | 452                                                                                                                                                    |
| Approval (cable)                       | cRUus (AWM style 20549/10042); CE compliant                                                                                                            |
| Cable weight [g/m]                     | 231 g                                                                                                                                                  |
| Material (wire)                        | Cu wire, bare                                                                                                                                          |
| Resistor (core)                        | max. 39 Ω/km (0.5 mm <sup>2</sup> ); max. 20 Ω/km (1.0 mm <sup>2</sup> ); (20 °C)                                                                      |
| Single wire Ø (core)                   | 0.1 mm                                                                                                                                                 |
| Construction (core)                    | 64× 0.1 mm (0.5 mm <sup>2</sup> ), 128× 0.1 mm (1.0 mm <sup>2</sup> ); (multi-strand wire class 6)                                                     |
| Diameter (core)                        | 16× 0.5 + 3× 1.0 mm <sup>2</sup>                                                                                                                       |
| AWG                                    | similar to AWG 20 (0.5 mm <sup>2</sup> ); similar to AWG 17 (1.0 mm <sup>2</sup> )                                                                     |
| Material (wire isolation)              | TPE-E                                                                                                                                                  |
| Shore hardness (wire isolation)        | 55 ±3 D                                                                                                                                                |
| Wire-Ø incl. isolation                 | 1.6 mm ±5% (0.5 mm <sup>2</sup> ); 2.1 mm ±5% (1.0 mm <sup>2</sup> )                                                                                   |
| Material (jacket)                      | PUR                                                                                                                                                    |
| Material property (jacket)             | CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant |
| Shore hardness (jacket)                | 94 ±5 A                                                                                                                                                |
| Outer-Ø (jacket)                       | 11.5 mm ±5%                                                                                                                                            |
| Color (jacket)                         | gray                                                                                                                                                   |
| chemical resistance                    | good resistance to oil, gasoline and chemicals                                                                                                         |
| thermal resistance                     | flame retardand UL 1581 Section 1090 (H), CSA FT2 / IEC 60332-2-2                                                                                      |
| Nominal voltage                        | 300/300 V AC                                                                                                                                           |
| Test voltage                           | 2000 V AC                                                                                                                                              |
| Current load capacity                  | to DIN VDE 0298-4                                                                                                                                      |
| Temperature range (mobile)             | -20...+90 °C                                                                                                                                           |
| Bend radius (moving)                   | 10× outer Ø                                                                                                                                            |
| No. of bending cycles (C-track)        | max. 5 Mio.                                                                                                                                            |
| Traversing distance (C-track)          | max. 5 m (horizontal)                                                                                                                                  |
| Travel speed (C-track)                 | max. 2 m/s                                                                                                                                             |
| Acceleration (C-track)                 | max. 5 m/s <sup>2</sup>                                                                                                                                |
| Contact Layout                         |                                                                                                                                                        |
| PIN 1                                  | (+)                                                                                                                                                    |
| PIN 2                                  | (NC)/(S2)                                                                                                                                              |
| PIN 3                                  | (-)                                                                                                                                                    |
| PIN 4                                  | (NO)/(S1)                                                                                                                                              |
| PIN 5                                  | (Earth)                                                                                                                                                |
| Product article number of manufacturer | 8000-58512-4520500                                                                                                                                     |