

MVP12 Steel F&B, 8XM12, 5POLE, PRE-WIRED CABLE

20.0m TPE-V 16x0.5+3x1.0

5-pole

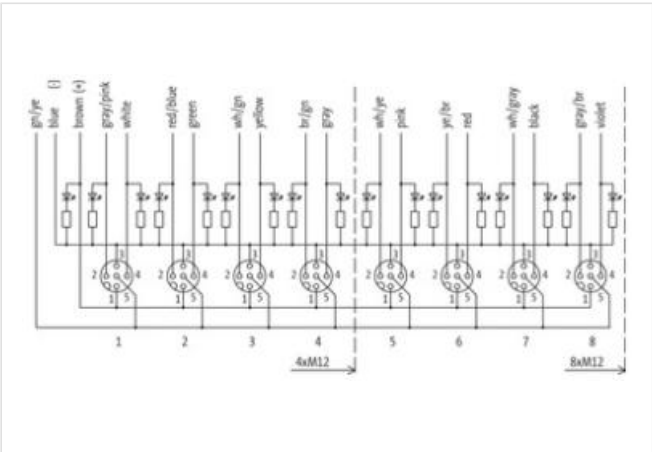
15.0 m

Further cable lengths on request.

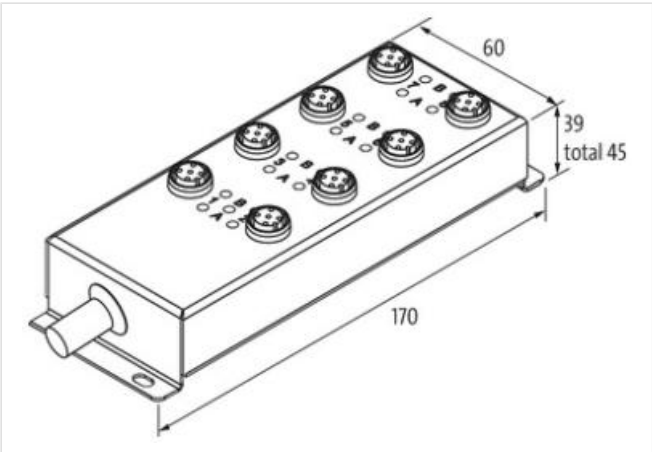
The resistance to aggressive media should be individually tested for your application. Further details on request.

Link to Product

Illustration



Product may differ from Image



Commercial data

|             |          |
|-------------|----------|
| ECLASS-6.0  | 27143423 |
| 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                                                                                                                                                                             |
| customs tariff number                           | 85444290                                                                                                                                                                             |
| GTIN                                            | 4048879554176                                                                                                                                                                        |
| Packaging unit                                  | 1                                                                                                                                                                                    |
| <b>Electrical data   Supply</b>                 |                                                                                                                                                                                      |
| Operating voltage DC                            | 24 V                                                                                                                                                                                 |
| Current operating per contact max.              | 4 A                                                                                                                                                                                  |
| <b>Installation   Connection</b>                |                                                                                                                                                                                      |
| Mounting set                                    | M12 x 1                                                                                                                                                                              |
| <b>Device protection   Electrical</b>           |                                                                                                                                                                                      |
| Degree of protection (EN IEC 60529)             | IP65, IP67, IP68                                                                                                                                                                     |
| Degree of protection (ISO 20653:2013)           | IP69K                                                                                                                                                                                |
| Additional condition protection degree          | inserted, screwed                                                                                                                                                                    |
| <b>Mechanical data   Material data</b>          |                                                                                                                                                                                      |
| Material housing                                | Stainless steel 1.4404 (V4A)                                                                                                                                                         |
| <b>Mechanical data   Mounting data</b>          |                                                                                                                                                                                      |
| Mounting method                                 | Schraubgewinde                                                                                                                                                                       |
| <b>Environmental characteristics   Climatic</b> |                                                                                                                                                                                      |
| Operating temperature min.                      | -30 °C                                                                                                                                                                               |
| Operating temperature max.                      | 80 °C                                                                                                                                                                                |
| Additional condition temperature range          | depending on cable quality                                                                                                                                                           |
| <b>Installation   Cable</b>                     |                                                                                                                                                                                      |
| Cable identification                            | 453                                                                                                                                                                                  |
| Jacket Color                                    | gray                                                                                                                                                                                 |
| Type of Certificate                             | cURus                                                                                                                                                                                |
| Amount stranding                                | 1                                                                                                                                                                                    |
| Stranding                                       | 7 wires around Core filler twisted                                                                                                                                                   |
| Amount stranding (type 2)                       | 1                                                                                                                                                                                    |
| Stranding (type 2)                              | 12 wires counter-rotating twisted                                                                                                                                                    |
| Filler                                          | yes                                                                                                                                                                                  |
| wire arrangement                                | gray-pink, brown-green, yellow, green-white, green, red-blue, white, (brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, blue, brown, green-yellow, violet) |
| Cable weight                                    | 199,1 g/m                                                                                                                                                                            |
| Material jacket                                 | TPE-V                                                                                                                                                                                |
| Shore hardness jacket                           | 80 ± 5 Shore A                                                                                                                                                                       |
| Freedom from ingredients (jacket)               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                                                       |
| Outer-diameter (jacket)                         | 11,6 mm                                                                                                                                                                              |
| Tolerance outer diameter (sheath)               | ± 5 %                                                                                                                                                                                |
| Material wire insulation                        | PP                                                                                                                                                                                   |
| Amount wires                                    | 16                                                                                                                                                                                   |
| Outer diameter insulation                       | 1,6 mm                                                                                                                                                                               |
| Outer diameter tolerance core insulation        | ± 5 %                                                                                                                                                                                |
| Shore hardness wire insulation                  | 65 ± 3 Shore D                                                                                                                                                                       |
| Ingredient freeness wire insulation             | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free                                                                                                                       |
| Traversing distance (C-track)                   | 5 m @ 25 °C                                                                                                                                                                          |
| Amount strands (wire)                           | 64                                                                                                                                                                                   |
| Diameter of single wires                        | 0,1 mm                                                                                                                                                                               |
| Conductor crosssection (wire)                   | 0,5 mm <sup>2</sup>                                                                                                                                                                  |
| Material conductor wire                         | Stranded copper wire, bare                                                                                                                                                           |
| Conductor type (wire)                           | strand class 6                                                                                                                                                                       |

|                                                   |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Material wire insulation (Data)                   | PP                                                             |
| Outer diameter wire insulation (Data)             | 2,1 mm                                                         |
| Tolerance outer diameter wire insulation (data)   | ± 5 %                                                          |
| Shore hardness wire insulation (Data)             | 65 ± 3 Shore D                                                 |
| Ingredient freeness wire insulation (Data)        | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Amount wires (Data)                               | 3                                                              |
| Amount strands wire (Data)                        | 128                                                            |
| Diameter of single wires (Data)                   | 0,1 mm                                                         |
| Conductor crosssection wire (Data)                | 1 mm <sup>2</sup>                                              |
| Material conductor wire (Data)                    | Stranded copper wire, bare                                     |
| Wire conductor type (Data)                        | strand class 6                                                 |
| Nominal voltage AC max.                           | 300 V                                                          |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 5,9 A                                                          |
| Current load capacity min. Wire (Data)            | 15 A                                                           |
| Electrical resistance line constant wire          | 39 Ω/km @ 20 °C                                                |
| Electrical resistance coating wire (Data)         | 20 Ω/km @ 20 °C                                                |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s                                                    |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s                                                    |
| Min. operating temperature (static)               | -40 °C                                                         |
| Max. operating temperature (fixed)                | 90 °C                                                          |
| Operating temperature min. (dynamic)              | -20 °C                                                         |
| Operating temperature max. (dynamic)              | 90 °C                                                          |
| Flame resistance                                  | UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2            |
| 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                                            |
| Travel speed (C-track)                            | 5 Mio. @ 25 °C                                                 |

#### Connection type 2

|                          |                |
|--------------------------|----------------|
| Family construction form | free cable end |
| Color contact carrier    | gray           |
| No. of poles             | 19             |
| 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             |