

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

15.0m TPE-V 16x0.5+3x1.0

5-pole

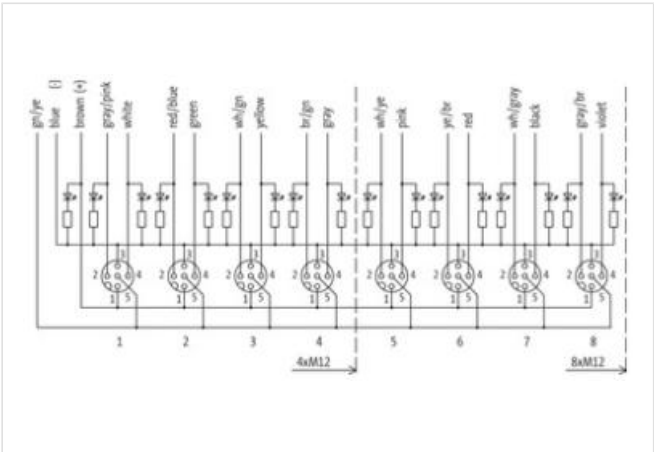
15.0 m

Further cable lengths on request.

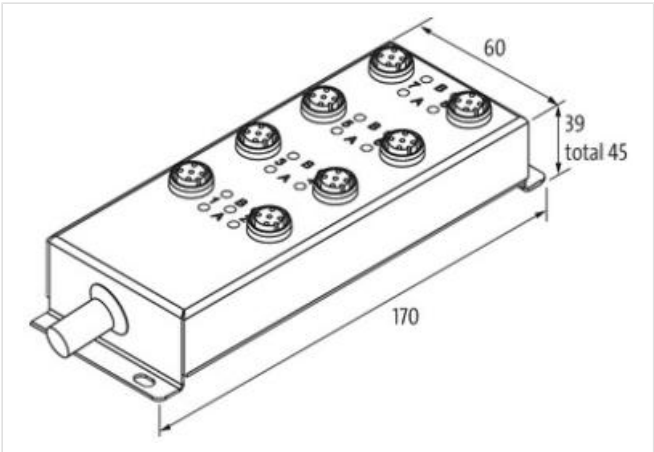
The resistance to aggressive media should be individually tested for your application. Further details on request.

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                  | 4048879554152 |
| Packaging unit        | 1             |

**Electrical data | Supply**

|                                    |      |
|------------------------------------|------|
| Operating voltage DC               | 24 V |
| Current operating per contact max. | 4 A  |

**Installation | Connection**

|              |         |
|--------------|---------|
| Mounting set | M12 x 1 |
|--------------|---------|

**Device protection | Electrical**

|                                        |                   |
|----------------------------------------|-------------------|
| Degree of protection (EN IEC 60529)    | IP65, IP67, IP68  |
| Degree of protection (ISO 20653:2013)  | IP69K             |
| Additional condition protection degree | inserted, screwed |

**Mechanical data | Material data**

|                  |                              |
|------------------|------------------------------|
| Material housing | Stainless steel 1.4404 (V4A) |
|------------------|------------------------------|

**Mechanical data | Mounting data**

|                 |                |
|-----------------|----------------|
| Mounting method | Schraubgewinde |
|-----------------|----------------|

**Environmental characteristics | Climatic**

|                                        |                            |
|----------------------------------------|----------------------------|
| Operating temperature min.             | -30 °C                     |
| Operating temperature max.             | 80 °C                      |
| Additional condition temperature range | depending on cable quality |

**Installation | Cable**

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