

## MVP12, 6XM12, 5POLE, PLUGGABLE CABLE

10.0m PUR/PVC 12x0,34+5x0,75

Further cable lengths on request.

6-way, 5-pole

Plastic housings with good resistance against chemicals and oils.

PUR/PVC

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

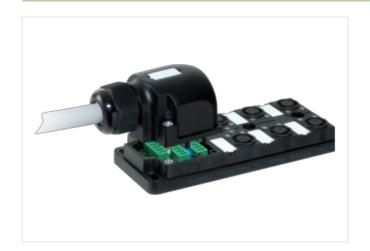
10.0 m

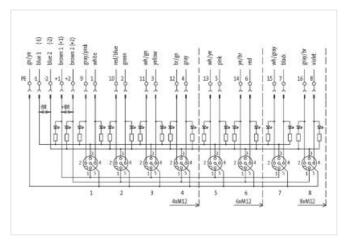
potentially separated

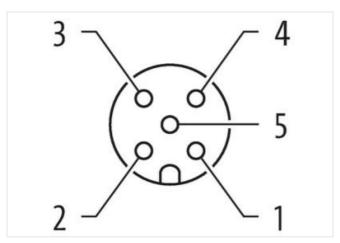
with LED for digital PNP-signals 24 V DC

## **Link to Product**

## Illustration







Product may differ from Image





| Commercial data |          |
|-----------------|----------|
| ECLASS-6.0      | 27279219 |
| ECLASS-6.1      | 27279219 |



stay connected

| 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 Packaging with                           | 4048879064255  |
| Packaging unit                                | 1  |
| Electrical data   Supply                      |  |
| Operating voltage DC                          | 24 V   |
| Operating voltage DC min.                     | 18 V   |
| Operating voltage DC max.                     | 30 V   |
| Current operating per contact max.            | 4 A  |
| Total current at 1 time current feed-in max.  | 8 A  |
| Total current at 2 times current feed-in max. | 16 A   |
| Industrial communication                      |  |
| Number of signals per port                    | 2  |
| Installation   Connection                     |  |
| Tightening torque                             | 0,6 Nm   |
| Mounting set                                  | M12 x 1  |
| Device protection   Electrical                |  |
| Degree of protection (EN IEC 60529)           | IP65, IP67   |
| Additional condition protection degree        | inserted, screwed  |
| Device protection   Media                     |  |
| Flame resistance                              | flame retardant  |
| Mechanical data   Material data               | nume returnant   |
| Material housing                              | PBT  |
| Mechanical data   Mounting data               |  |
|   | 105  |
| Height  | 125 mm   |
| Width   | 50,2 mm  |
| Depth   | 17 mm  |
| Environmental characteristics   Climatic      |  |
| Operating temperature min.                    | -20 °C   |
| Operating temperature max.                    | 80 °C  |
| Additional condition temperature range        | depending on cable quality   |
| Installation   Cable                          |  |
| Cable identification                          | 396  |
| Jacket Color                                  | gray   |
| Type of Certificate                           | cURus, CSA   |
| Amount stranding                              | 1  |
| Stranding                                     | 6 wires around Core filler twisted   |
| Amount stranding (type 2)                     | 1  |
| Stranding (type 2)                            | 12 wires around Stranding combination twisted  |
| Banding                                       | Fleece   |
| Filler  | yes  |
|   | gray-pink, red-blue, green-white, brown-green, black, violet, (brown, blue, brown-gray, gray-white, brown- |
| wire arrangement                              | yellow, yellow-white, red, pink, gray, yellow, green, white)   |
| No. of bending cycles (C-track)               | yellow, yellow-white, red, pink, gray, yellow, green, white)  5 Mio. @ 25 °C                               |

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stay connected

| Material jacket   | PUR   |
|---|---|
| Shore hardness jacket                                   | 89 ± 5 Shore A  |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free |
| Outer-diameter (jacket)                                 | 10,4 mm   |
| Tolerance outer diameter (sheath)                       | ±5%   |
| Material wire insulation                                | TPE-E   |
| Amount wires  | 16  |
| Outer diameter insulation                               | 1.5 mm  |
| Outer diameter insulation                               | ±5%   |
| Shore hardness wire insulation                          | 55 ± 5 Shore D  |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, halogen-free                           |
|   | 42  |
| Amount strands (wire)                                   |   |
| Diameter of single wires                                | 0,1 mm  |
| Conductor crosssection (wire)                           | 0,34 mm <sup>2</sup>  |
| Material conductor wire                                 | Stranded copper wire, bare  |
| Conductor type (wire)                                   | strand class 6  |
| Material wire insulation (Data)                         | TPE-E   |
| Outer diameter wire insulation (Data)                   | 1,8 mm  |
| Tolerance outer diameter wire insulation (data)         |   |
| Shore hardness wire insulation (Data)                   | 55 ± 5 Shore D  |
| Ingredient freeness wire insulation (Data)              | lead-free, cadmium-free, CFC-free, halogen-free                           |
| Amount wires (Data)                                     | 2   |
| Amount strands wire (Data)                              | 42  |
| Diameter of single wires (Data)                         | 0,15 mm   |
| Conductor crosssection wire (Data)                      | 0,75 mm <sup>2</sup>  |
| Material conductor wire (Data)                          | Stranded copper wire, bare  |
| Wire conductor type (Data)                              | strand class 6  |
| Traversing distance (C-track)                           | 5 m @ 25 °C   horizontal  |
| Current load capacity (standard)                        | to DIN VDE 0298-4   |
| Current load capacity min. wire                         | 4 A   |
| Current load capacity min. Wire (Data)                  | 12 A  |
| Electrical resistance line constant wire                | 57 Ω/km @ 20 °C   |
| Electrical resistance coating wire (Data)               | 26 Ω/km @ 20 °C   |
| Max. rated voltage power (conductor - ground)           | 300 V   |
| Max. rated voltage power (conductor - conductor)        | 300 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)                      | 0° C  |
| Operating temperature min. (dynamic)                    | -5 °C   |
| Operating temperature max. (dynamic)                    | 0° 08 °C  |
| Flame resistance  | UL 1581 § 1090   UL 1581 § 1100 FT2   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)                                  | 7,5 x Outer diameter  |
| Bending radius (dynamic)                                | 10 x Outer diameter   |
| Connection type 2                                       |   |
| Family construction form                                | free cable end  |
| Color contact carrier                                   | gray  |
| No. of poles  | 17  |
|   |   |

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| 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     |