

**MVP12, 4XM12, 4POLE, PLUGGABLE CABLE**

3.0m PUR/PVC 4x0,34+3x0,75

4-way, 4-pole

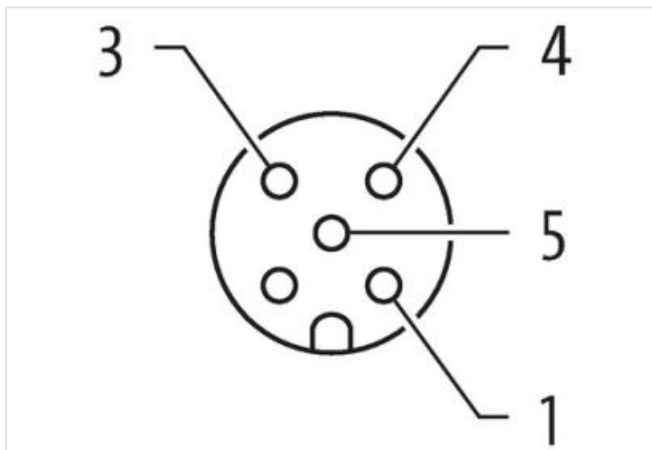
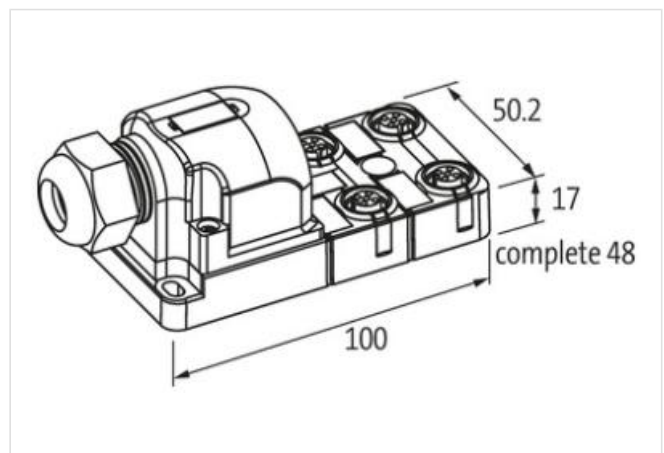
PUR/PVC

3.0 m

with LED for digital PNP-signals 24 V DC

Further cable lengths on request.

Plastic housings with good resistance against chemicals and oils.

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

Product may differ from Image

**Commercial data**

|            |          |
|------------|----------|
| 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      |
| customs tariff number | 85369010      |
| GTIN                  | 4048879064668 |
| 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 max.                 | 8 A  |

**Industrial communication**

|                            |   |
|----------------------------|---|
| Number of signals per port | 1 |
|----------------------------|---|

**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**

|                  |     |
|------------------|-----|
| Material housing | PBT |
|------------------|-----|

**Mechanical data | Mounting data**

|                 |                                       |
|-----------------|---------------------------------------|
| Mounting method | inserted, screwed, Shaking protection |
| Height          | 100 mm                                |
| Width           | 50,2 mm                               |
| Depth           | 17 mm                                 |

**Environmental characteristics | Climatic**

|                            |        |
|----------------------------|--------|
| Operating temperature min. | -20 °C |
| Operating temperature max. | 80 °C  |

**Installation | Cable**

|                                   |   |
|-----------------------------------|---|
| Cable identification              | 333   |
| Cable Type                        | 2   |
| Jacket Color                      | gray  |
| Type of Certificate               | cURus   |
| STOOW style jacket                | Hybrid, Signal, Power                                 |
| Amount stranding                  | 1   |
| Stranding                         | 7 wires around Core filler twisted                    |
| Filler                            | yes   |
| wire arrangement                  | white, green, yellow, gray, brown, blue, green-yellow |
| No. of bending cycles (C-track)   | 2 Mio.  |
| Cable weight                      | 105,6 g/m   |
| Material jacket                   | PUR   |
| Shore hardness jacket             | 87 ± 5 Shore A  |
| Freedom from ingredients (jacket) | lead-free, cadmium-free, CFC-free, silicone-free      |
| Outer-diameter (jacket)           | 7,4 mm  |

|   |  |
|---|--|
| Tolerance outer diameter (sheath)                       | ± 5 %  |
| Material inner jacket                                   | PVC  |
| Color (inner jacket)                                    | gray   |
| Material wire insulation                                | PVC  |
| Amount wires  | 4  |
| Outer diameter insulation                               | 1,3 mm   |
| Outer diameter tolerance core insulation                | ± 5 %  |
| Shore hardness wire insulation                          | 43 ± 5 Shore D                                       |
| Material properties wire insulation                     | good machinability                                   |
| Ingredient freeness wire insulation                     | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount strands (wire)                                   | 19   |
| Diameter of single wires                                | 0,15 mm  |
| Conductor crosssection (wire)                           | 0,34 mm <sup>2</sup>                                 |
| Material conductor wire                                 | Stranded copper wire, bare                           |
| Conductor type (wire)                                   | Strand class 5                                       |
| Material wire insulation (Power)                        | PVC  |
| Outer diameter wire insulation (Power)                  | 1,8 mm   |
| Tolerance outer diameter wire insulation (Power)        | ±5 %   |
| Shore hardness wire insulation (Power)                  | 43±5 Shore D   |
| Material properties wire insulation (Power)             | good machinability                                   |
| Ingredient freeness wire insulation (Power)             | lead-free, cadmium-free, CFC-free, silicone-free     |
| Amount wires (Power)                                    | 3  |
| Amount strands wire (Power)                             | 24   |
| Diameter of single wires (Power)                        | 0,2 mm   |
| Wire conductor cross section (Power)                    | 0,75 mm <sup>2</sup>                                 |
| Material conductor wire (Power)                         | Stranded copper wire, bare                           |
| Conductor type wire (Power)                             | Strand class 5                                       |
| Traversing distance (C-track)                           | 5 m  |
| Current load capacity (standard)                        | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                         | 4 A  |
| Electrical resistance line constant wire                | 57 Ω/km @ 20 °C                                      |
| Electrical resistance coating wire (Power)              | 26 Ω/km @20 °C                                       |
| Loop resistance   | 7,8 A  |
| 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)                     | -30 °C   |
| Max. operating temperature (fixed)                      | 80 °C  |
| Operating temperature min. (dynamic)                    | -5 °C  |
| Operating temperature max. (dynamic)                    | 70 °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 (fixed)                                  | 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             | 7              |
| Family construction form | M12            |

The information in this Product-PDF has been compiled with the utmost care.

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-24

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|                       |        |
|-----------------------|--------|
| Gender                | female |
| Color contact carrier | black  |
| Coding                | A      |
| No. of poles          | 4      |
| PIN 1                 | +      |
| PIN 2                 | n.c.   |
| PIN 3                 | -      |
| PIN 4                 | NO S 1 |
| PIN 5                 | PE     |