

## M12 male 0° A-cod. / MSUD valve plug BI-11mm

PUR 3x0.75 ye UL/CSA+robot+drag ch. 2m

**MSUD** 

Form BI (11 mm) - M12, male straight 24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

LED and suppression

Further cable lengths on request.

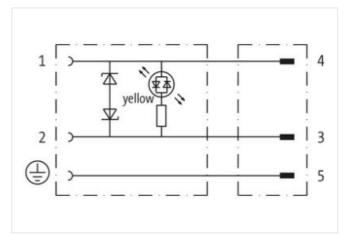
Plastic housings with good resistance against chemicals and oils.

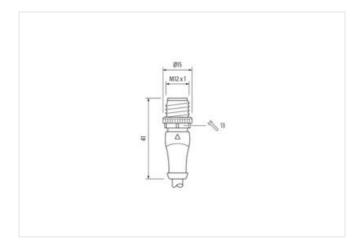
The resistance to aggressive media should be individually tested for your application. Further details on request.

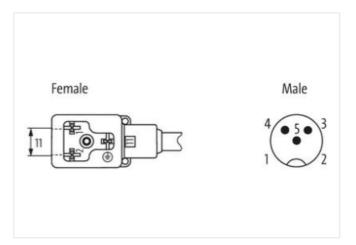
## **Link to Product**

## Illustration



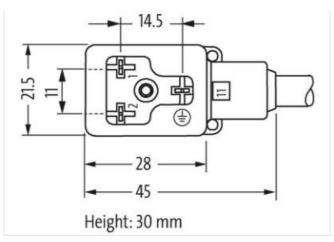








stay connected



Product may differ from Image



| 2 m           |
|---------------|
|               |
| 0,4 Nm        |
| MSUD          |
| M3            |
| 3             |
| IP67          |
|               |
| 0,6 Nm        |
| M12           |
| M12 x 1       |
| 10 mm         |
| A             |
| 3             |
| SW13          |
| IP67          |
|               |
| 27279218      |
| 27279218      |
| 27279218      |
| 27279218      |
| 27060312      |
| 27060312      |
| 27060312      |
| 27060312      |
| EC001855      |
| 85444290      |
| 4048879416726 |
| 1             |
|               |
|               |
| 20 ms         |
|               |



stay connected

| Operating voltage AC   | 041/  |
|--|---|
|  | 24 V  |
| Operating voltage AC min.  | 19,2 V  |
| Operating voltage AC max.  | 28,8 V  |
| Operating voltage DC   | 24 V  |
| Operating voltage DC min.  | 18 V  |
| Operating voltage DC max.  | 30 V  |
| Cut-off peak voltage max.  | 55 V  |
| Current operating per contact max.   | 4 A   |
| Diagnostics  |   |
| Status indication LED  | yellow  |
| Device protection   Electrical   |   |
| Additional condition protection degree   | inserted, screwed   |
| Pollution Degree   | 3   |
| Rated surge voltage  | 0,8 kV  |
| Mechanical data   Material data  |   |
| ·  | blook   |
| Color housing  Material housing  | black Plastic   |
|  | Plastic   |
| Mechanical data   Mounting data  |   |
| Mounting method  | inserted, screwed   |
| Environmental characteristics   Climatic   |   |
| Operating temperature min.   | -25 °C  |
| Operating temperature max.   | 85 °C   |
| Additional condition temperature range   | depending on cable quality  |
| Important installation notes   |   |
| Note on strain relief  | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.   |
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| Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black)  |
| Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow   |
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| Note on bending radius  Conformity  Product standard  Installation   Cable  Cable identification  Cable Type  Printing color of wire insulation  Jacket Color  Type of Certificate  Amount stranding   | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1   |
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| Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement  | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow  |
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| Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket   | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056  5  white (isolation black)  yellow  cURus  1  3 wires twisted  black 1, black 2, green-yellow  48,4 g/m  PUR  |
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| Conformity Product standard Installation   Cable Cable identification Cable Type Printing color of wire insulation Jacket Color Type of Certificate Amount stranding Stranding wire arrangement Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)   | Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.  DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)  056 5 white (isolation black) yellow cURus 1 3 wires twisted black 1, black 2, green-yellow 48,4 g/m PUR 58 ± 3 Shore D lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 5,2 mm  |
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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: 2024-05-19



| Amount strands (wire)                             | 42   |
|---|--|
| Diameter of single wires                          | 0,15 mm  |
| Conductor crosssection (wire)                     | 0,75 mm²   |
| Material conductor wire                           | Stranded copper wire, bare                           |
| Conductor type (wire)                             | strand class 6                                       |
| Traversing distance (C-track)                     | 5 m @ 25 °C   horizontal                             |
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 12 A   |
| Electrical resistance line constant wire          | 26 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2,5 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2,5 kV @ 60 s  |
| Min. operating temperature (static)               | -40 °C   |
| Max. operating temperature (fixed)                | 80 °C / 90 °C @ 10000 h Operation                    |
| Operating temperature min. (dynamic)              | -25 °C   |
| Operating temperature max. (dynamic)              | 80 °C / 90 °C @ 10000 h Operation                    |
| Flame resistance                                  | UL 1581 § 1100 FT2   IEC 60332-2-2   UL 1581 § 1090  |
| 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                                  |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C                                      |
| No. of torsion cycles                             | 1 Mio.   |
| Torsion stress                                    | ± 360 °/m  |
| Torsion speed                                     | 35 cycles/min  |