

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

PUR 3x0.75 gy UL/CSA 1m

**MSUD** 

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

LED and suppression

Further cable lengths on request.

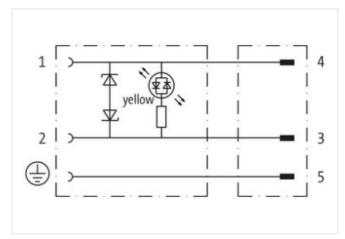
Plastic housings with good resistance against chemicals and oils.

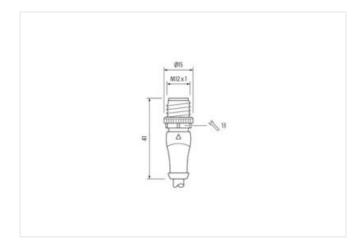
The resistance to aggressive media should be individually tested for your application. Further details on request.

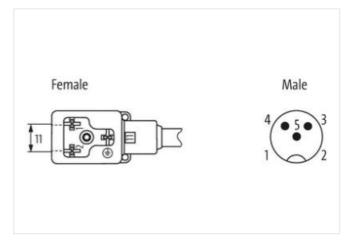
## **Link to Product**

## Illustration



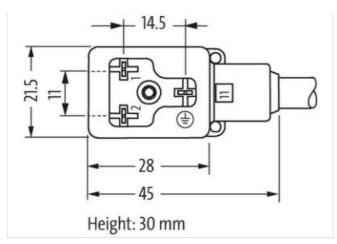








stay connected



Product may differ from Image



|   | 1 m   |
|---|---|
| Side 1  |   |
| Tightening torque   | 0,4 Nm  |
| Family construction form  | MSUD  |
| Thread  | M3  |
| No. of poles  | 3   |
| Degree of protection (EN IEC 60529)   | IP67  |
| Side 2  |   |
| Tightening torque   | 0,6 Nm  |
| Family construction form  | M12   |
| Thread  | M12 x 1   |
| suitable for corrugated tube (internal $\emptyset$ )  | 10 mm   |
| Coding  | A   |
| No. of poles  | 3   |
| Width across flats  | SW13  |
| Degree of protection (EN IEC 60529)   | IP67  |
| Commercial data   |   |
| ECLASS-6.0  | 27279218  |
| ECLASS-6.1  | 27279218  |
| ECLASS-7.0  | 27279218  |
|   |   |
| ECLASS-8.0  | 27279218  |
| ECLASS-8.0<br>ECLASS-9.0  | 27279218<br>27060312  |
|   |   |
| ECLASS-9.0<br>ECLASS-10.1<br>ECLASS-11.1  | 27060312<br>27060312<br>27060312  |
| ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0  | 27060312<br>27060312  |
| ECLASS-9.0<br>ECLASS-10.1<br>ECLASS-11.1  | 27060312<br>27060312<br>27060312  |
| ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0  | 27060312<br>27060312<br>27060312<br>27060312  |
| ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN                | 27060312<br>27060312<br>27060312<br>27060312<br>EC001855                              |
| ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number                     | 27060312<br>27060312<br>27060312<br>27060312<br>EC001855                              |
| ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN                | 27060312<br>27060312<br>27060312<br>27060312<br>EC001855<br>85444290<br>4048879149129 |
| ECLASS-9.0 ECLASS-10.1 ECLASS-11.1 ECLASS-12.0 ETIM-5.0 customs tariff number GTIN Packaging unit | 27060312<br>27060312<br>27060312<br>27060312<br>EC001855<br>85444290<br>4048879149129 |



Operating voltage AC 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 Color housing black Material housing Plastic Mechanical data | Mounting data Mounting method inserted, screwed Environmental characteristics | Climatic Operating temperature min. -25 °C 85 °C Operating temperature max. 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. Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be Note on bending radius endangered by excessive bending forces. Conformity Product standard DIN EN 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker) Installation | Cable Cable identification 226 Cable Type 2 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 3 wires twisted wire arrangement black 1, black 2, green-yellow Cable weigth 55,33 g/m Material jacket PUR Shore hardness jacket 85 ± 5 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ±5% Material inner jacket PVC Material wire insulation PVC Amount wires 3 Outer diameter insulation 1,8 mm Outer diameter tolerance core insulation ±5% Shore hardness wire insulation 43 ± 5 Shore D Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free Amount strands (wire) 42

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: 2024-05-14



| 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                                       |
| 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 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 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)              | 80 °C  |
| UV resistance                                     | DIN EN ISO 4892-2 A                                  |
| Flame resistance                                  | IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 10 x Outer diameter                                  |
| Bending radius (dynamic)                          | 15 x Outer diameter                                  |
| Travel speed (C-track)                            | 2 Mio. @ 25 °C                                       |