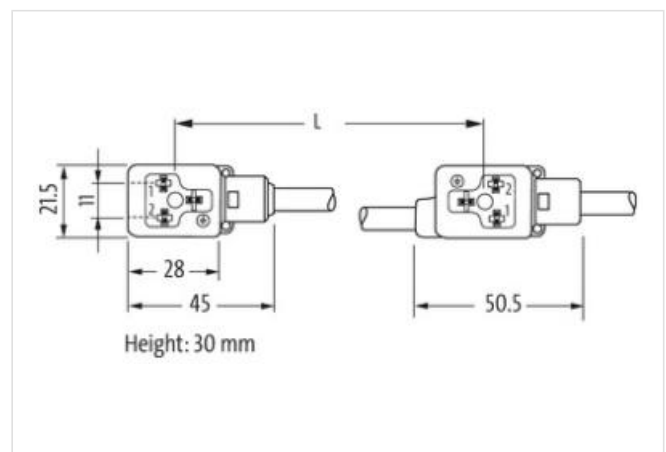
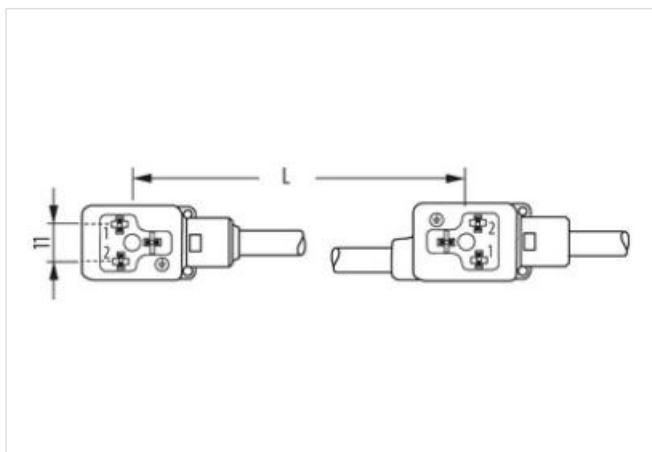
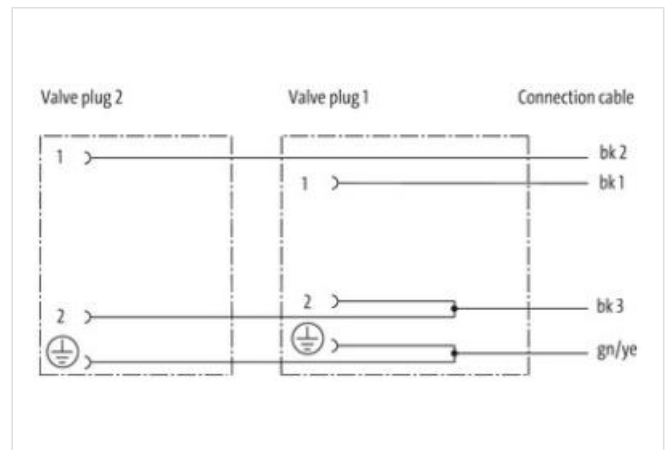


**MSUD double valve BI-11mm with cable**

PUR 4x0.75 gy UL/CSA+drag ch. 3m

Form BI (11 mm) industrial standard  
 max. 230 V AC/DC  
 without components  
 3-pole  
 Connection cable L = 200 mm  
 PE at cable entry (0°)  
 without cable sleeves  
 Further cable lengths on request.  
 Plastic housings with good resistance against chemicals and oils.

[Link naar het product](#)**Afbeelding**

Product van afwijken van afbeelding



Cable length

3 m

|                                                 |                                                                                                     |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Side 1</b>                                   |                                                                                                     |
| Tightening torque                               | 0,4 Nm                                                                                              |
| Thread                                          | M3                                                                                                  |
| Material                                        | PBT                                                                                                 |
| <b>Side 2</b>                                   |                                                                                                     |
| Stripping length (jacket)                       | 50 mm                                                                                               |
| Tightening torque                               | 0,4 Nm                                                                                              |
| Thread                                          | M3                                                                                                  |
| Material                                        | PBT                                                                                                 |
| <b>Commerciële gegevens</b>                     |                                                                                                     |
| ECLASS-6.0                                      | 27279218                                                                                            |
| ECLASS-6.1                                      | 27279218                                                                                            |
| ECLASS-7.0                                      | 27279218                                                                                            |
| ECLASS-8.0                                      | 27279218                                                                                            |
| ECLASS-9.0                                      | 27060312                                                                                            |
| ECLASS-10.1                                     | 27060312                                                                                            |
| ECLASS-11.1                                     | 27060312                                                                                            |
| ECLASS-12.0                                     | 27060312                                                                                            |
| ETIM-5.0                                        | EC001855                                                                                            |
| Douane tarief nummer                            | 85444290                                                                                            |
| GTIN                                            | 4048879695626                                                                                       |
| Verpakkingseenheid                              | 1                                                                                                   |
| <b>Electrical data   Supply</b>                 |                                                                                                     |
| Operating voltage AC max.                       | 230 V                                                                                               |
| Operating voltage DC max.                       | 230 V                                                                                               |
| Current operating per contact max.              | 4 A                                                                                                 |
| <b>Installation   Connection</b>                |                                                                                                     |
| Stripping length (jacket)                       | 50 mm                                                                                               |
| <b>Device protection   Electrical</b>           |                                                                                                     |
| Degree of protection (EN IEC 60529)             | IP67                                                                                                |
| Additional condition protection degree          | inserted, screwed                                                                                   |
| Pollution Degree                                | 3                                                                                                   |
| Rated surge voltage                             | 4 kV                                                                                                |
| Material group (IEC 60664-1)                    | I                                                                                                   |
| <b>Mechanical data</b>                          |                                                                                                     |
| Contour for corrugated hose                     | without                                                                                             |
| <b>Mechanical data   Material data</b>          |                                                                                                     |
| Coating locking                                 | verzinkt                                                                                            |
| Color housing                                   | black                                                                                               |
| Material gasket                                 | PUR                                                                                                 |
| Locking material                                | Steel                                                                                               |
| <b>Mechanical data   Mounting data</b>          |                                                                                                     |
| Mounting method                                 | inserted, screwed                                                                                   |
| <b>Environmental characteristics   Climatic</b> |                                                                                                     |
| Operating temperature min.                      | -25 °C                                                                                              |
| Operating temperature max.                      | 85 °C                                                                                               |
| Additional condition temperature range          | depending on cable quality                                                                          |
| <b>Important installation notes</b>             |                                                                                                     |
| Note on strain relief                           | Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties. |

Note on bending radius

**Attention:** Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.

| Installation   Cable                              |                                                                |
|---------------------------------------------------|----------------------------------------------------------------|
| Cable identification                              | 237                                                            |
| Cable Type                                        | 3                                                              |
| Printing color of wire insulation                 | white (isolation black)                                        |
| Jacket Color                                      | gray                                                           |
| Type of Certificate                               | cURus                                                          |
| Amount stranding                                  | 1                                                              |
| Stranding                                         | 4 wires twisted                                                |
| wire arrangement                                  | black 1, black 2, black 3, green-yellow                        |
| Traversing distance (C-track)                     | 10 m @ 25 °C   horizontal                                      |
| Cable weight                                      | 69,3 g/m                                                       |
| Material jacket                                   | PUR                                                            |
| Shore hardness jacket                             | 90 ± 5 Shore A                                                 |
| Freedom from ingredients (jacket)                 | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Outer-diameter (jacket)                           | 6,5 mm                                                         |
| Tolerance outer diameter (sheath)                 | ± 5 %                                                          |
| Material wire insulation                          | PP                                                             |
| Amount wires                                      | 4                                                              |
| Outer diameter insulation                         | 1,85 mm                                                        |
| Outer diameter tolerance core insulation          | ± 5 %                                                          |
| Shore hardness wire insulation                    | 70 ± 5 Shore D                                                 |
| Ingredient freeness wire insulation               | lead-free, cadmium-free, CFC-free, halogen-free, silicone-free |
| Printing color of wire insulation                 | white (isolation black)                                        |
| 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                                                 |
| Nominal voltage AC max.                           | 300 V                                                          |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                              |
| Current load capacity min. wire                   | 9,6 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 § 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 (fixed)                            | 5 x Outer diameter                                             |
| Bending radius (dynamic)                          | 10 x Outer diameter                                            |
| Travel speed (C-track)                            | 10 Mio. @ 25 °C                                                |
| No. of torsion cycles                             | 2 Mio.                                                         |
| Torsion stress                                    | ± 180 °/m                                                      |
| Torsion speed                                     | 35 cycles/min                                                  |