

**MSUD double valve A-18mm with cable**

PVC 4x0.75 gy 20m

Form A (18 mm)

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

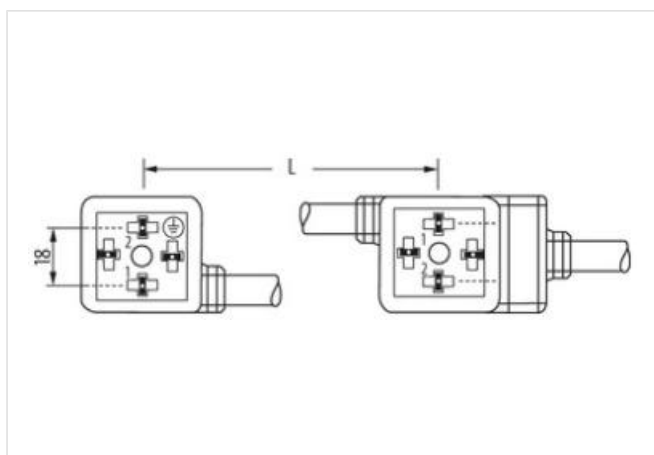
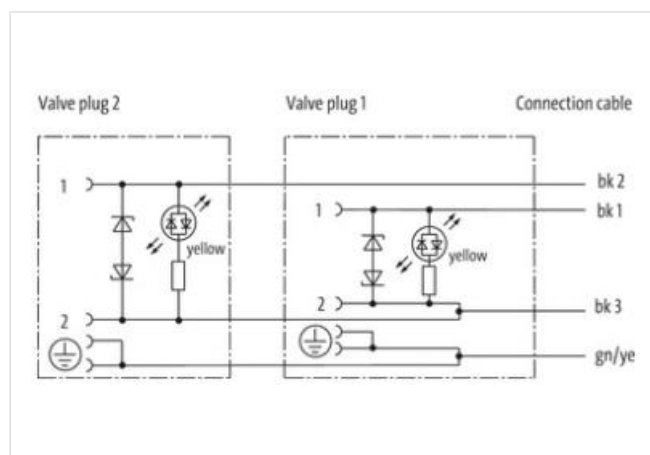
LED and suppression

Connection cable L = 110 mm

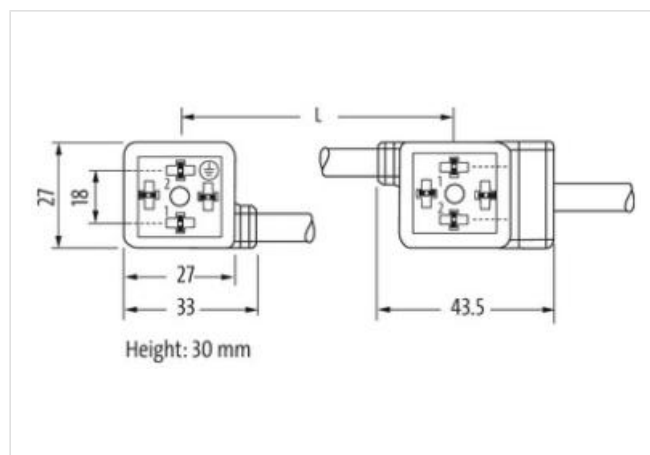
Further cable lengths on request.

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**

Product may differ from Image



Cable length 20 m

**Side 1**

Tightening torque 0,4 Nm

このデータシートに含まれる情報は最大限の注意を払って作成されました。

Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-04-26

Murrelektronik GmbH | Falkenstraße 3 | 71570 Oppenweiler | Fon +49 (71 91) 47-0 | Fax +49 (71 91) 47-491000 | shop@murrelektronik.com | shop.murrelektronik.com

|                                          |                            |
|------------------------------------------|----------------------------|
| Thread                                   | M3                         |
| Material                                 | PBT                        |
| Side 2                                   |                            |
| Tightening torque                        | 0,4 Nm                     |
| Thread                                   | M3                         |
| Material                                 | PBT                        |
| 取引条件                                     |                            |
| 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                   |
| GTIN                                     | 4048879643269              |
| HSコード                                    | 85444290                   |
| Packaging unit                           | 1                          |
| Electrical data                          |                            |
| Capacity CX                              | 20 ms                      |
| Electrical data   Supply                 |                            |
| 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                        |
| Current consumption max.                 | 12 mA                      |
| Diagnostics                              |                            |
| Status indication LED                    | yellow                     |
| Device protection   Electrical           |                            |
| Degree of protection (EN IEC 60529)      | IP67                       |
| Additional condition protection degree   | inserted, screwed          |
| Pollution Degree                         | 3                          |
| Rated surge voltage                      | 0,8 kV                     |
| Material group (IEC 60664-1)             | I                          |
| Additional suppressor                    | Diode, Z-Diode             |
| Mechanical data   Material data          |                            |
| Coating locking                          | verzinkt                   |
| Color housing                            | black                      |
| Material gasket                          | PUR                        |
| Locking material                         | Steel                      |
| 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 |

| Installation   Cable                                    |                                                      |
|---------------------------------------------------------|------------------------------------------------------|
| Cable identification                                    | 217                                                  |
| Cable Type                                              | 1                                                    |
| Printing color of wire insulation                       | white (isolation black)                              |
| Jacket Color                                            | gray                                                 |
| Amount stranding                                        | 1                                                    |
| Stranding                                               | 4 wires twisted                                      |
| wire arrangement                                        | black 1, black 2, black 3, green-yellow              |
| Cable weight                                            | 75,9 g/m                                             |
| Material jacket                                         | PVC                                                  |
| Shore hardness jacket                                   | 80 ± 5 Shore A                                       |
| Freedom from ingredients (jacket)                       | lead-free, cadmium-free, CFC-free, silicone-free     |
| Outer-diameter (jacket)                                 | 6,5 mm                                               |
| Tolerance outer diameter (sheath)                       | ± 5 %                                                |
| Material wire insulation                                | PVC                                                  |
| Amount wires                                            | 4                                                    |
| Outer diameter insulation                               | 1,8 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     |
| Printing color of wire insulation                       | white (isolation black)                              |
| Amount strands (wire)                                   | 24                                                   |
| Diameter of single wires                                | 0,2 mm                                               |
| Conductor crosssection (wire)                           | 0,75 mm <sup>2</sup>                                 |
| Material conductor wire                                 | Stranded copper wire, bare                           |
| Conductor type (wire)                                   | Strand class 5                                       |
| 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                                      |
| Max. rated voltage power (conductor - ground)           | 300 V                                                |
| Max. rated voltage power (conductor - conductor)        | 500 V                                                |
| Power frequency withstand voltage power (wire - jacket) | 3 kV @ 60 s                                          |
| AC withstand voltage power (wire - wire)                | 3 kV @ 60 s                                          |
| Min. operating temperature (static)                     | -30 °C                                               |
| Max. operating temperature (fixed)                      | 70 °C                                                |
| Operating temperature min. (dynamic)                    | -5 °C                                                |
| Operating temperature max. (dynamic)                    | 70 °C                                                |
| Flame resistance                                        | UL 1581 § 1090   IEC 60332-2-2   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)                                  | 5 x Outer diameter                                   |
| Bending radius (dynamic)                                | 10 x Outer diameter                                  |