

## MSUD valve plug CI-9.4mm with cable

PVC 3x0.75 gy 3m

Art.No.: 7000-94001-2160300

Weight: 0.192 Country of origin: CZ

Model designation: MSUDK-QB1L-216 3.0

**MSUD** 

Form CI (9.4 mm) 24 V AC/DC ±25%

**LED** 

Further cable lengths on request.

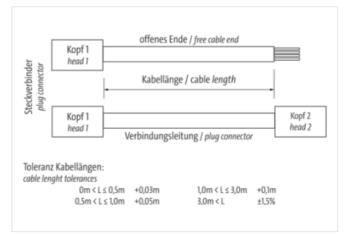
Plastic housings with good resistance against chemicals and oils.

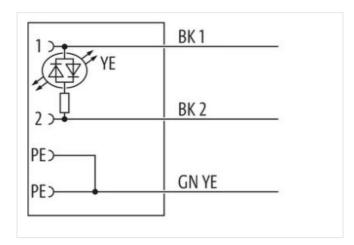
The resistance to aggressive media should be individually tested for your application. Further details on request.

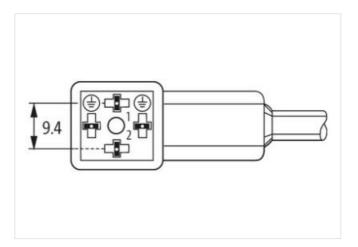
## **Link to Product**

## Illustration



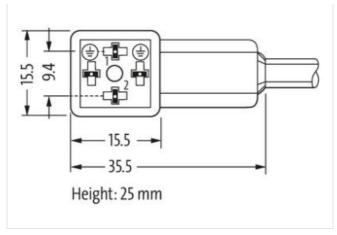








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Product may differ from Image



| Cable length                           | 3 m               |
|--|-------------------|
| Side 1                                 |                   |
| Tightening torque                      | 0,4 Nm            |
| Thread                                 | M3                |
| Commercial data                        |                   |
| ECLASS-6.0                             | 27279218          |
| ECLASS-7.0                             | 27279218          |
| ECLASS-8.0                             | 27279218          |
| ECLASS-9.0                             | 27060311          |
| ECLASS-10.1                            | 27060312          |
| ECLASS-11.1                            | 27060312          |
| ECLASS-12.0                            | 27060312          |
| ETIM-5.0                               | EC001855          |
| customs tariff number                  | 85444290          |
| customs tariff number                  | 85444290          |
| EAN                                    | 4048879115766     |
| EAN                                    | 4048879115766     |
| Packaging unit                         | 1                 |
| Packaging unit                         | 1                 |
| Electrical data   Supply               |                   |
| Operating voltage AC                   | 24 V              |
| Operating voltage AC min.              | 18 V              |
| Operating voltage AC max.              | 30 V              |
| Operating voltage DC                   | 24 V              |
| Operating voltage DC min.              | 18 V              |
| Operating voltage DC max.              | 30 V              |
| Current operating per contact max.     | 4 A               |
| Device protection   Electrical         |                   |
| Degree of protection (EN IEC 60529)    | IP67              |
| Additional condition protection degree | inserted, screwed |
| Rated surge voltage                    | 0,8 kV            |
| Mechanical data   Material data        |                   |



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| Material housing                                       | Plastic   |
|--|---|
| Color housing  | black   |
| Mechanical data   Mounting data                        |   |
| Mounting method  | inserted, screwed   |
| Environmental characteristics   Climatic               |   |
|  | 05.00   |
| Operating temperature min.  Operating temperature max. | -25 °C<br>85 °C   |
| Additional condition temperature range                 | depending on cable quality  |
| , ,  | 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.   |
| Note on bending radius                                 | <b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces. |
| Installation   Cable                                   |   |
| wire arrangement                                       | black 1, black 2, green-yellow  |
| Cable identification                                   | 216   |
| Cable Type   | 1   |
| Printing color of wire insulation                      | white (isolation black)   |
| Jacket Color   | gray  |
| Amount stranding                                       | 1   |
| Stranding  | 3 wires twisted   |
| wire arrangement                                       | black 1, black 2, green-yellow  |
| Cable weigth   | 63,8 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)                                | 5,9 mm  |
| Tolerance outer diameter (sheath)                      | ±5%   |
| 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  |
| 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 mm²  |
| Material conductor wire                                | Stranded copper wire, bare  |
| Conductor type (wire)                                  | Strand class 5  |
| Max. rated voltage (conductor - conductor)             | 500 V   |
| Max. rated voltage (conductor - ground)                | 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)                     | 3 kV @ 60 s   |
| Power frequency withstand voltage (wire - acket)       | 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) Flame resistance  | 70 °C  UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  |

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: 2025-11-04



| 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                                  |