

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

PVC 3x0.75 ye 3m

Art.No.: 7000-18021-0160300

Weight: 0.201 kg

Country of origin: CZ

Model designation: MSUDK-AB1Z-016\_3.0

MSUD

Form A (18 mm)

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

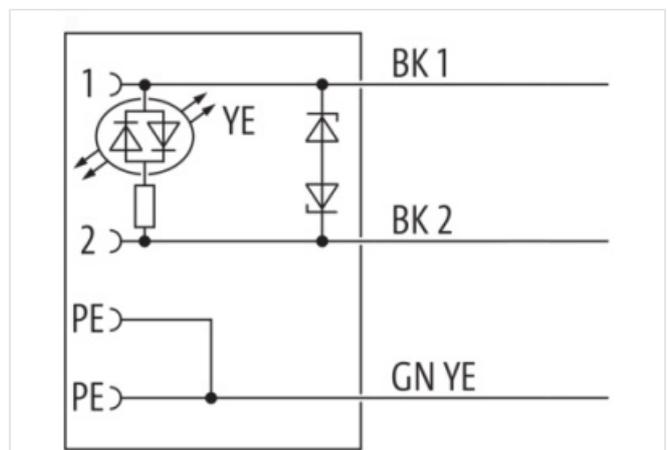
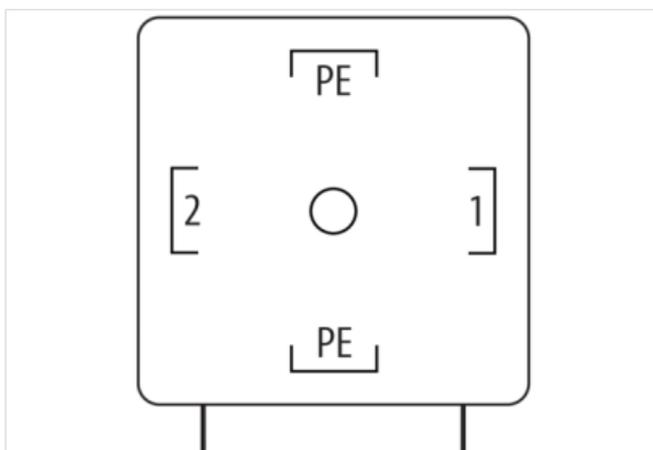
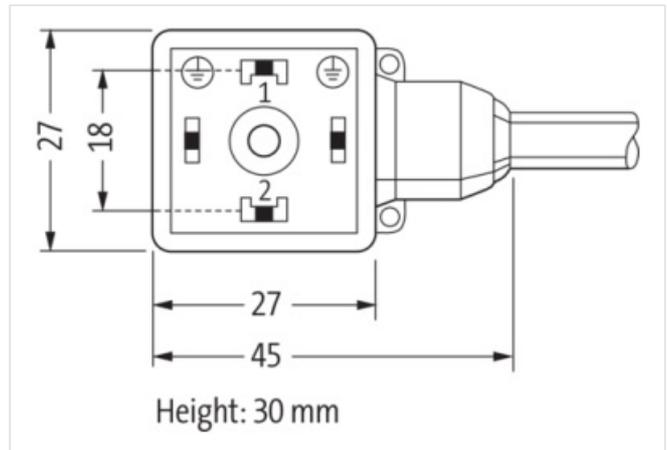
LED and suppression

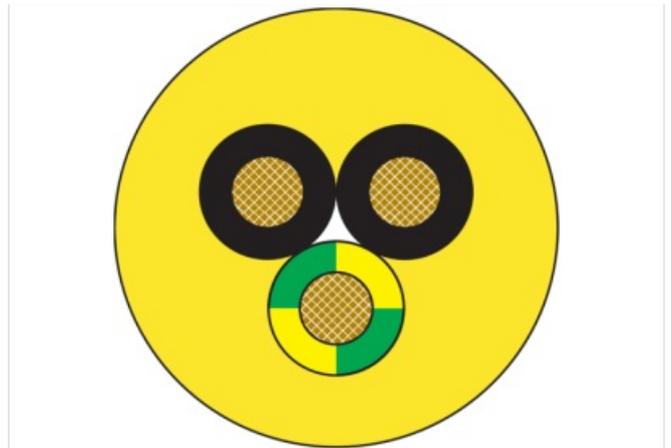
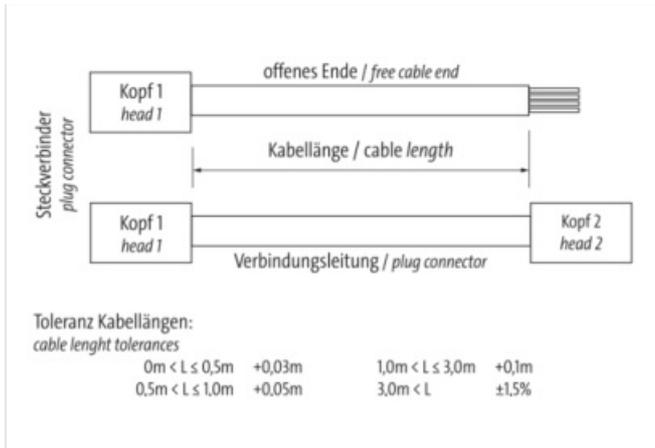
Bridged PE

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



**Header**

Cable length 3,00 m

**Side 1**

Family construction form Valve connector form A  
 Mounting method inserted, screwed  
 Threaded hole M3x31  
 Tightening torque 0,4 Nm  
 Material PBT  
 Degree of protection (EN IEC 60529) IP67

**Commercial data**

URL Webshop <https://shop.murrelektronik.com/7000-18021-0160300>  
 customs tariff number 85444290  
 EAN 4048879194570  
 Packaging unit 1

**Electrical data**

Drop-out delay time max. 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  
 Current operating per contact max. 4 A  
 Cut-off peak voltage max. 55 V  
 Current consumption max. 15 mA

**Diagnostics**

Status indication LED yellow

**Installation | Connection**

Mounting set M3x31

**Device protection | Electrical**

Additional condition protection degree	inserted, screwed
Pollution Degree	3
Additional suppressor	Diode, Z-Diode
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	I

**Mechanical data | Material data**

Color housing	black
Material screw connection	Steel
Coating of fitting	galvanized
Locking material	Steel
Coating locking	galvanized
Material gasket	PUR

**Mechanical data | Mounting data**

Mounting method	inserted, screwed
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**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 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.
Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.

**Installation | Cable**

Cable identification	016
Cable Type	1
Stranding	1 × 3 wires stranded
Cable weight	58 g/m
Material wire insulation	PVC
Amount wires	3
Outer diameter insulation	1,8 mm
Outer diameter tolerance core insulation	± 0,1 mm
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
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PVC
Shore hardness jacket	80 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
Material property (jacket)	good machinability
Conductor resistance (wire)	26 Ω/km @ 20 °C
Max. rated voltage (conductor - ground)	300 V
Max. rated voltage (conductor - conductor)	500 V
Withstand voltage (wire - wire)	3 kV @ 60 s
Withstand voltage (wire - jacket)	3 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4

Current load capacity max. (wire)	12 A
Operating temperature min. (static)	-30 °C
Operating temperature max. (static)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Oil resistance	good
Chemical resistance	good
Other resistances	good resistance to gasoline
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter