

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

PVC 2x0.5 shielded gy 5m

MSUD

Form A (18 mm)

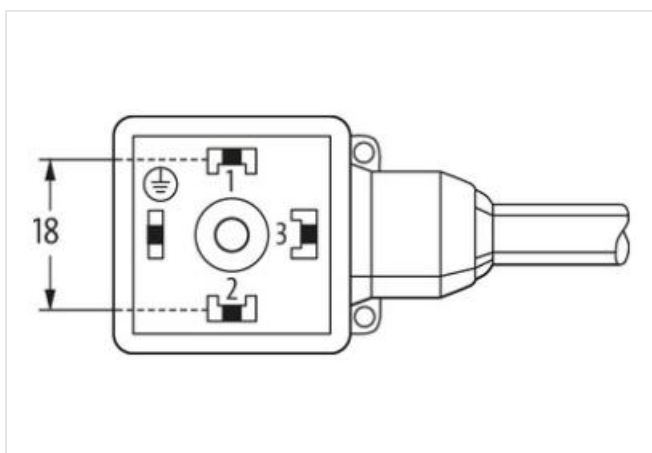
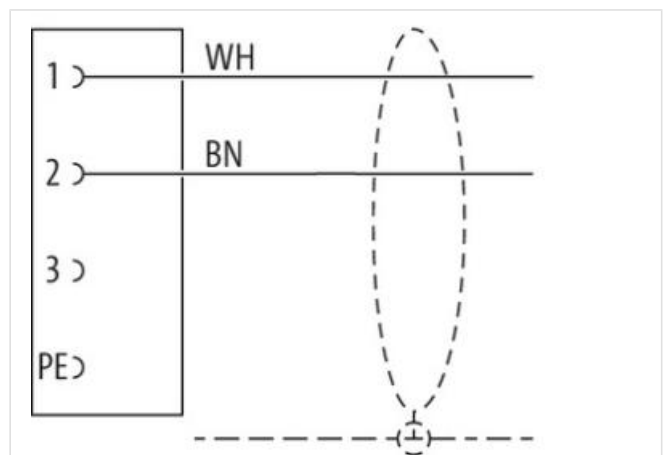
0...230 V AC/DC

without components

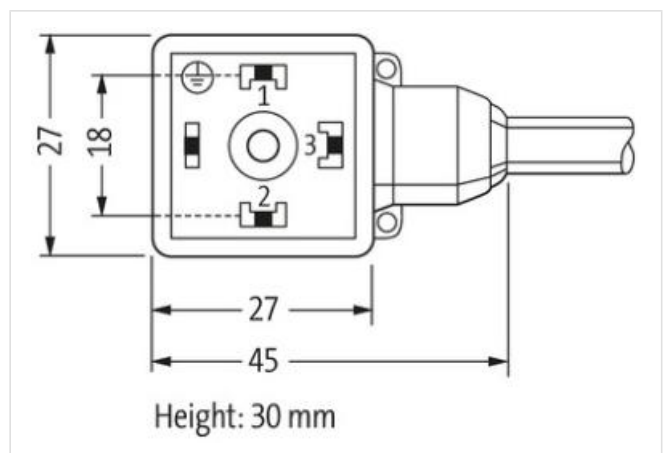
Further cable lengths on request.

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 5 m

**Side 1**

Tightening torque 0,4 Nm

Mounting method	inserted, screwed
Family construction form	MSUD A
Thread	M3
Material	PBT
Degree of protection (EN IEC 60529)	IP67

**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
GTIN	4048879191418
Packaging unit	1

**Electrical data | Supply**

Operating voltage AC max.	230 V
Operating voltage DC max.	230 V
Current operating per contact max.	4 A

**Installation | Connection**

Mounting set	M3
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**Device protection | Electrical**

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

**Mechanical data | Material data**

Coating of fitting	verzinkt
Color housing	black
Material housing	Plastic
Material screw connection	Steel

**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 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	brown, white
Cable identification	416
Jacket Color	gray
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Stranding factor min.	55 mm
Stranding factor max.	55 mm

Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Foil
Filler	yes
wire arrangement	brown, white
Cable weight	46,2 g/m
Material jacket	PVC
Shore hardness jacket	85 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, CFC-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	2
Outer diameter insulation	1,9 mm
Outer diameter tolerance core insulation	± 5 %
Shore hardness wire insulation	85 ± 5 Shore A
Ingredient freeness wire insulation	lead-free, CFC-free
Amount strands (wire)	16
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,5 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Nominal voltage AC max.	500 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	9 A
Electrical resistance line constant wire	39 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	1,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	1,5 kV @ 60 s
AC withstand voltage (wire - shield)	1,5 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
Flame resistance	IEC 60332-2-2   UL 1581 § 1100 FT2   UL 1581 § 1090
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)	7,5 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter