

MSUD valve plug BI-11mm with cable

PVC 3x0.75 bk 10m

Art.No.: 7000-11021-6161000

Weight: 0.584

Country of origin: CZ

Model designation: MSUDS-IB1Z-616_10.0

MSUD

Form BI (11 mm)

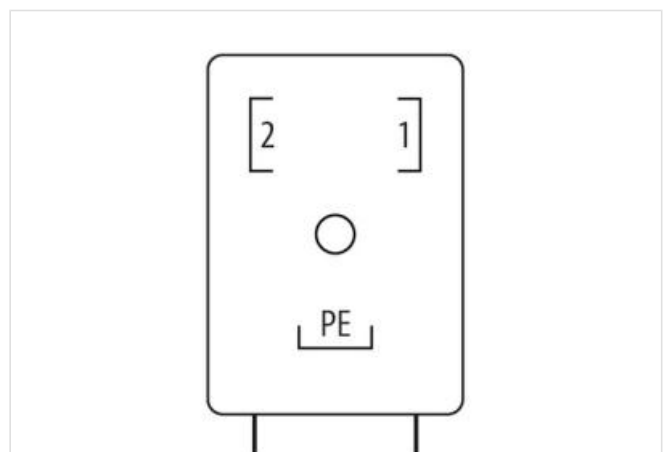
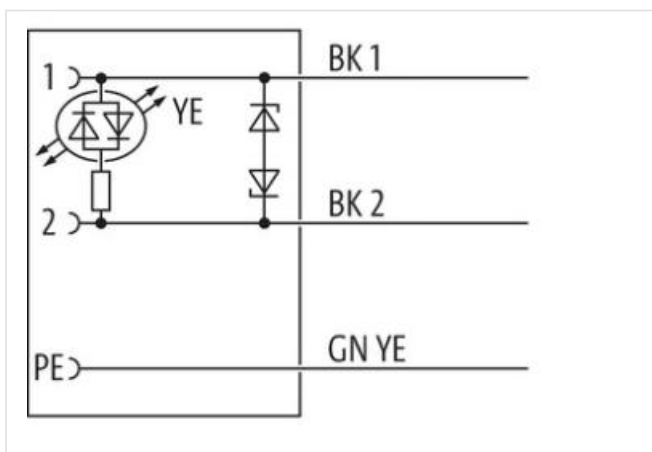
24 V AC $\pm 20\%$ / DC $\pm 25\%$

LED and suppression

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	10 m
Side 1	
Tightening torque	0,4 Nm
Mounting method	inserted, screwed
Family construction form	MSUD BI
Thread	M3
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
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
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290
customs tariff number	85444290
GTIN	4048879221498
GTIN	4048879221498
Packaging unit	1
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
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Operating voltage AC max.	28,8 V
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Operating voltage DC	24 V
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Operating voltage DC min.	18 V
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Operating voltage DC max.	30 V
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Cut-off peak voltage max.	55 V
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Current operating per contact max.	4 A
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Current consumption max.	15 mA
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Diagnostics

Status indication LED	yellow
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Installation | Connection

Mounting set	M3
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Device protection | Electrical

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

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

Mounting method	inserted, screwed
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Environmental characteristics | Climatic

Operating temperature min.	-25 °C
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Operating temperature max.	85 °C
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Additional condition temperature range	depending on cable quality
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Important installation notes

Note on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
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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.
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Installation | Cable

wire arrangement	black 1, black 2, green-yellow
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Cable identification	616
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Cable Type	1
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Printing color of wire insulation	white (isolation black)
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Jacket Color	black
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Amount stranding	1
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Stranding	3 wires twisted
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wire arrangement	black 1, black 2, green-yellow
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Cable weight	61,6 g/m
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Material jacket	PVC
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Shore hardness jacket	80 ± 5 Shore A
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Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, silicone-free
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Outer-diameter (jacket)	5,9 mm
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Tolerance outer diameter (sheath)	± 5 %
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Material wire insulation	PVC
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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 mm ²
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 - jacket)	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
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
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