

**MSUD valve plug B-10mm with cable**

PUR 3x0.75 gy UL/CSA+drag ch. 20m

Art.No.: 7000-10081-2362000

Weight: 1.054

Country of origin: CZ

Model designation: MSUDK-LB1Z-236\_20.0

MSUD

Form B (10 mm)

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

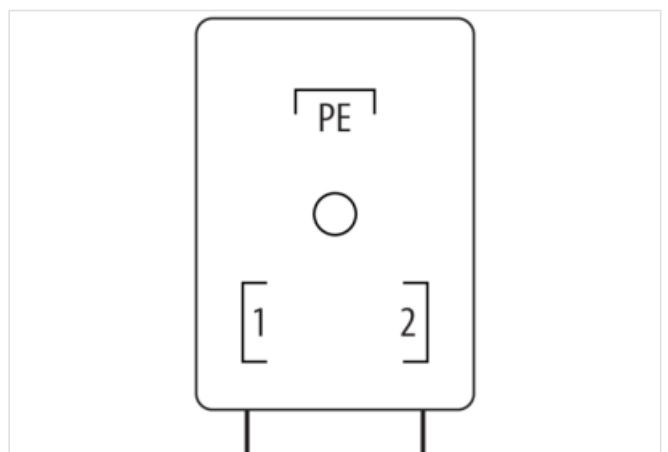
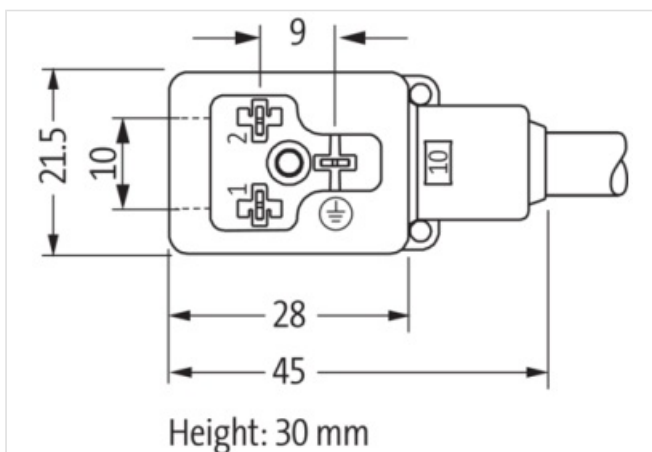
LED and suppression

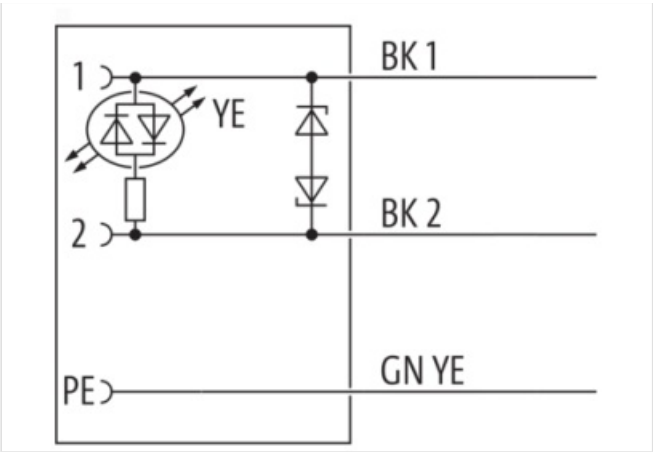
PE opposite cable entry (180°)

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	
Material short text	MSUDK-LB1Z-236_20.0
Cable length	20.0 m
Side 1	
Family construction form	MSUD B
Mounting method	inserted, screwed
Thread	M3
Tightening torque	0.4 Nm
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
URL Webshop	<a href="https://shop.murrelektronik.com/7000-10081-2362000">https://shop.murrelektronik.com/7000-10081-2362000</a>
GTIN	4048879222747
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-7.1	27279218
ECLASS-8.0	27279218
ECLASS-8.1	27279218
ECLASS-9.0	27060312
ECLASS-9.1	27060312
ECLASS-10.0.1	27060312
ECLASS-10.1	27060312
ECLASS-11.0	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ECLASS-13.0	27060312
ECLASS-14.0	27060312
ETIM-5.0	EC001855
ETIM-6.0	EC001855
ETIM-7.0	EC001855
ETIM-8.0	EC001855
customs tariff number	85444290

EAN	4048879222747
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Packaging unit	1
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#### Electrical data

Drop-out delay time max.	20 ms
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#### Electrical data | Supply

Operating voltage AC	24 V
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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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Current operating per contact max.	4 A
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Cut-off peak voltage max.	55 V
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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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#### Mechanical data | Material data

Material housing	Plastic
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Color housing	black
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Material screw connection	Steel
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Coating of fitting	galvanized
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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 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.
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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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#### Installation | Cable

Cable identification	236
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Cable Type	3
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Amount stranding	1
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Stranding	3 wires stranded
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Wire arrangement	black 1, black 2, green-yellow
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Cable weight	56.1 g/m
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Material wire insulation	PP
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Amount wires	3
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Outer diameter insulation	1.85 mm
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Outer diameter tolerance core insulation	± 0.1 mm
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Shore hardness wire insulation	70 ± 5 Shore D
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Ingredient freeness wire insulation	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
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Printing color of wire insulation	white (isolation black)
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Amount strands (wire)	42
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Diameter of single wires	0.15 mm
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Conductor crosssection (wire)	0.75 mm²
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Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	5.9 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	CFC-free, cadmium-free, silicone-free, halogen-free, lead-free
Material property (jacket)	matte, good machinability, abrasion-resistant, low adhesion
Conductor resistance (wire)	26 Ω/km @ 20 °C
Nominal voltage AC max.	300 V
Withstand voltage (wire - wire)	2.5 kV @ 60 s
Withstand voltage (wire - jacket)	2.5 kV @ 60 s
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (drag chain)	-25 °C
Operating temperature max. (drag chain)	80 °C / 90 °C @ 10000 h Operation
Flame resistance	UL 1581 § 1090, CSA FT2, IEC 60332-2-2
Oil resistance	IEC 60811-404
Chemical resistance	good
Other resistances	good resistance to gasoline, resistant to hydrolysis, resistant to microbes
Bending radius (fixed)	5 × Outer diameter
Bending radius (dynamic)	10 × Outer diameter
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
Acceleration (C-track)	10 m/s² @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min