

## MSUD valve plug BI-11mm 180° with cable

PUR 3x0.75 ye UL/CSA+drag ch. 10m

Art.No.: 7000-11081-0361000

Weight: 0.543 Country of origin: CZ

Model designation: MSUDK-KB1Z-036 10.0

**MSUD** 

Form BI (11 mm)

24 V AC ±20% / DC ±25%

LED and suppression

PE opposite cable entry (180°)

Attention: Contact carrier turned to 180°!

Further cable lengths on request.

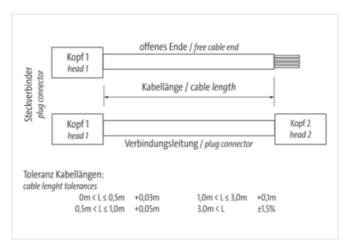
Plastic housings with good resistance against chemicals and oils.

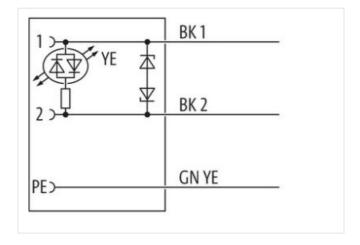
The resistance to aggressive media should be individually tested for your application. Further details on request.

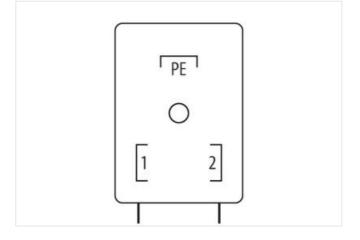
## **Link to Product**

## Illustration



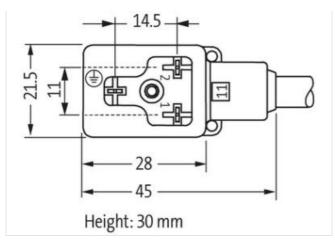








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Product may differ from Image









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-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-11.1         27060312           ECLASS-12.0         27060312           CUSASS-12.0         ECO01855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Packaging unit         1           Pectrical data         1           Drop- ut delay time max.         20 ms           Electrical politage AC         24 V           Operating voltage AC min.         19,2 V           Operating voltage AC min.         24 V <th>Cable length</th> <th>10 m</th>	Cable length	10 m
Mounting method   Inserted, screwed	Side 1	
Family construction form         MSUD BI           Thread         M3           Material         PBT           Degree of protection (ENIEC 60529)         IP67           Commercial data           ECLASS-6.0         27279218           ECLASS-7.0         27279218           ECLASS-8.0         27279218           ECLASS-9.0         27060311           ECLASS-9.0         27060312           ECLASS-10.1         27060312           ECLASS-12.0         27060312           ECLASS-12.0         E001855           customs tariff number         85444290           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Packaging unit         1           Pop-out delay time max.         20 ms           Electrical data         Supply           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V           Operating voltage AC min.         28,8 V           Operating voltage AC min.         19,2 V </td <td>Tightening torque</td> <td>0,4 Nm</td>	Tightening torque	0,4 Nm
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 9.0         27060312           ECLASS 10.1         27060312           ECLASS 12.0         27060312           ETIM 5.0         EC001855           customs tariff number         85444290           customs tariff number         85444290           customs tariff number         8544290           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Packaging unit         1           Electrical data         Drop- ut delay time max.         20 ms           Electrical valia [Supply]         20 ms           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC min.         18 V	Mounting method	inserted, screwed
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-9.0         27060312           ECLASS-10.1         27060312           ECLASS-12.0         27060312           ECIMIS-5.0         EC001855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           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 min.         18 V	Family construction form	MSUD BI
Degree of protection (EN IEC 60529)         IP67           Commercial data         ECLASS-6.0         27279218           ECLASS-7.0         27279218         ECLASS-7.0         ECLASS-8.0           ECLASS-9.0         27679218         ECLASS-9.0	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         ECOMB55           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Petetrical data         User time max.           Electrical data   Supply         20 ms           Operating voltage AC min.         19.2 V           Operating voltage AC max.         28.8 V           Operating voltage DC min.         18 V	Material	PBT
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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       4048879220392         EAN       4048879220392         Packaging unit       1         Packaging unit       1         Pectrical data       20 ms         Electrical data   Supply         Operating voltage AC       24 V         Operating voltage AC max.       28.8 V         Operating voltage DC       24 V         Operating voltage DC min.       18 V	ECLASS-6.0	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       4048879220392         EAN       4048879220392         Packaging unit       1         Packaging unit       1         Electrical data       20 ms         Electrical data   Supply       20 ms         Operating voltage AC       24 V         Operating voltage AC min.       19,2 V         Operating voltage AC max.       28,8 V         Operating voltage DC min.       18 V	ECLASS-7.0	27279218
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 4048879220392 EAN 4048879220392 EAN 4048879220392 EAN 1 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  Operating voltage DC min. 18 V	ECLASS-8.0	27279218
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ECLASS-12.0         27060312           ETIM-5.0         EC001855           customs tariff number         85444290           customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Electrical data         Use of the control of the cont	ECLASS-10.1	27060312
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customs tariff number         85444290           customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Electrical data         Use the control of the co	ECLASS-12.0	27060312
customs tariff number         85444290           EAN         4048879220392           EAN         4048879220392           Packaging unit         1           Packaging unit         1           Electrical data         V           Drop-out delay time max.         20 ms           Electrical data   Supply         V           Operating voltage AC         24 V           Operating voltage AC min.         19,2 V           Operating voltage AC max.         28,8 V           Operating voltage DC min.         18 V	ETIM-5.0	EC001855
EAN       4048879220392         Packaging unit       1         Packaging unit       1         Electrical data       Use of the state	customs tariff number	85444290
EAN 4048879220392  Packaging unit 1 Packaging unit 1  Electrical data Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC min. 19,2 V  Operating voltage AC max. 28,8 V  Operating voltage DC min. 18 V	customs tariff number	85444290
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 max. 19,2 V Operating voltage AC max. 28,8 V Operating voltage DC min. 18 V	EAN	4048879220392
Packaging unit 1  Electrical data  Drop-out delay time max. 20 ms  Electrical data   Supply  Operating voltage AC 24 V  Operating voltage AC max. 19,2 V  Operating voltage AC max. 28,8 V  Operating voltage DC min. 18 V	EAN	4048879220392
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 in . 18 V	Packaging unit	1
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	Packaging unit	1
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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	Drop-out delay time max.	20 ms
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	Electrical data   Supply	
Operating voltage AC max. 28,8 V Operating voltage DC 24 V Operating voltage DC min. 18 V	Operating voltage AC	24 V
Operating voltage DC 24 V Operating voltage DC min. 18 V	Operating voltage AC min.	19,2 V
Operating voltage DC min. 18 V	Operating voltage AC max.	28,8 V
	Operating voltage DC	24 V
Operating voltage DC max. 30 V	Operating voltage DC min.	18 V
	Operating voltage DC max.	30 V

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: 2025-08-19



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Cut-off peak voltage max.	55 V
Current operating per contact max.	4 A
Current consumption max.	15 mA
·	10 Hirt
Diagnostics	
Status indication LED	yellow
Installation   Connection	
Mounting set	M3
Device protection   Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	1
Additional suppressor	Diode, Z-Diode
Mechanical data   Material data	
	black
Color housing Coating locking	galvanized
Coating locking  Coating of fitting	galvanized
Material gasket	PUR
Locking material	Steel
Material screw connection	Steel
	Sieei
Mechanical data   Mounting data	
Mounting method	inserted, screwed
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	black 1, black 2, green-yellow
Cable identification	036
Cable Type	3
Printing color of wire insulation	white (isolation black)
Jacket Color	yellow
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	black 1, black 2, green-yellow
Cable weigth	56,1 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
·	
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	5,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D



Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Printing color of wire insulation	white (isolation black)
Amount strands (wire)	42
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	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)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
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
Flame resistance	UL 1581 § 1100 FT2   UL 1581 § 1090   IEC 60332-2-2
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
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
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min