

### MSUD double valve BI-11mm with cable

PUR 4x0.75 bk UL/CSA+drag ch. 10m

Art.No.: 7000-58101-6371000

Weight: 0.648 kg

Country of origin: CZ

Model designation: MSLL3-636\_100-LL3\_637\_10.0

Form BI (11 mm)

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

LED and suppression

Connection cable L = 100 mm

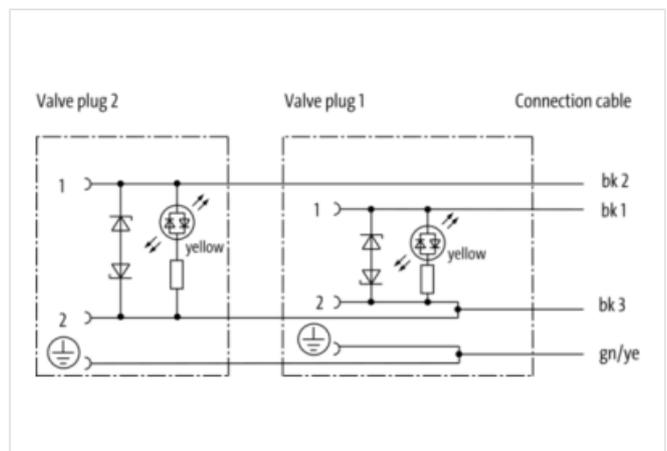
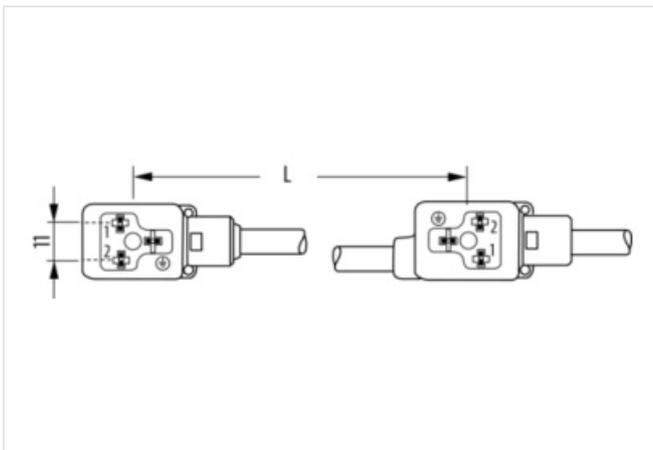
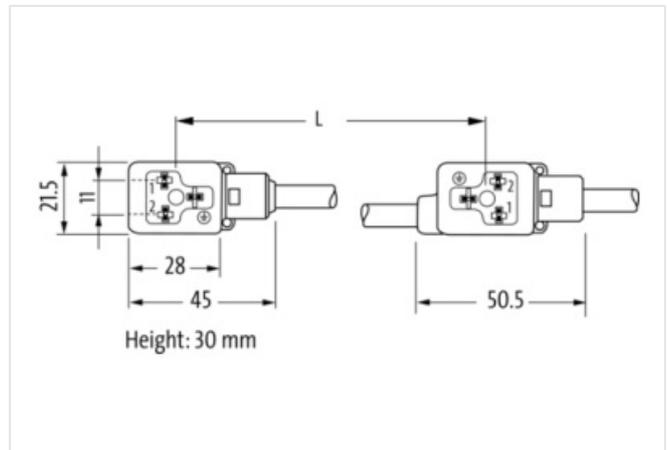
Further cable lengths on request.

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	10,00 m
<b>Side 1</b>	
Threaded hole	M3x31
Tightening torque	0,4 Nm
<b>Side 2</b>	
Threaded hole	M3x31
Tightening torque	0,4 Nm
<b>Commercial data</b>	
URL Webshop	<a href="https://shop.murrelektronik.com/7000-58101-6371000">https://shop.murrelektronik.com/7000-58101-6371000</a>
GTIN	4065909098080
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-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
customs tariff number	85444290
EAN	4065909098080
Packaging unit	1
<b>Electrical data</b>	
Drop-out delay time max.	20 ms
<b>Electrical data   Supply</b>	
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.	12 mA

#### Diagnostics

Status indication LED	yellow
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#### Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Rated surge voltage	0,8 kV

#### Mechanical data | Material data

housing	Plastic
Color housing	black

#### 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	637
Cable Type	3
Stranding	1 × 4 wires stranded
Wire arrangement	black 1, black 2, black 3, green-yellow
Cable weight	63 g/m
Material wire insulation	PP
Amount wires	4
Outer diameter insulation	1,85 mm
Outer diameter tolerance core insulation	± 0,1 mm
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 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Outer-diameter (jacket)	6,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material property (jacket)	abrasion-resistant, low adhesion, good machinability, matte
Conductor resistance (wire)	26 Ω/km @ 20 °C

Nominal voltage 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 max. (wire)	9,6 A
Operating temperature min. (static)	-40 °C
Operating temperature max. (static)	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/s <sup>2</sup> @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min