

Technical data sheet

Suppression Technology · Valve suppressors

Design BI (11mm), 2pol. + 1×PE

PVC connecting lead 3×0,5mm²

Protection device: suppressor diode + LED



Identification

Type	LS-BI-9646 5m PVC 180° 24V
Part No.	709646

Product version

Datasheet version	01
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Technical data

Type of function	Valve suppressor
Protection device	Suppressor diode + LED
Rated voltage U_N	AC/DC 24 V
Current Consumption	4 mA
Cut-off peak	≤52 V
Rated frequency f_N	50 Hz / 60 Hz
Holding Capacity	100 VA
Type of connecting lead	3×0.5 mm ² PVC
Cable length	5 m

General

Design	BI Ind. (11 mm)
Status indication	LED yellow
Ampacity	≤4 A
Contact resistance	<10 mΩ
Insulation resistance	>100 MΩ
Pole number	3
Conductor construction	16×0.20

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Conductor	CU-wire bare
Conductor color	brown, blue, yellow-green
Conductor insulation	PVC
Jacket material	PVC
Jacket color	black similar to RAL 9005
Connecting lead Ø	4.8 ± 0.20 mm
Minimum bending radius moving	10×D
Minimum bending radius fixed	5×D
Housing material	TPU
Color of the housing	Black translucent
Contact material	CuSn silver-plated
Degree of pollution	3
Mechanical service life	>100 insertion cycles
Degree of protection	IP65/67
Mounting	Breakaway torque 0.6 Nm
Temperature range connector	-20 °C ... +85 °C
Temperature range fixed	-40 °C ... +80 °C
Temperature range moving	-5 °C ... +80 °C
Operation temperature range	-20 °C ... +85 °C
Storage temperature range	-30 °C ... +85 °C
Dimensions (w × h × d)	20.5 mm × 28.2 mm × 45.0 mm
Weight/unit	0.198 kg
PU (units)	1

Certifications/Standards

Burning behavior according to	IEC 60332-1-2 DIN VDE 0482 DIN EN 50265-2-1
Oil resistant according to	DIN EN 60811-2-1

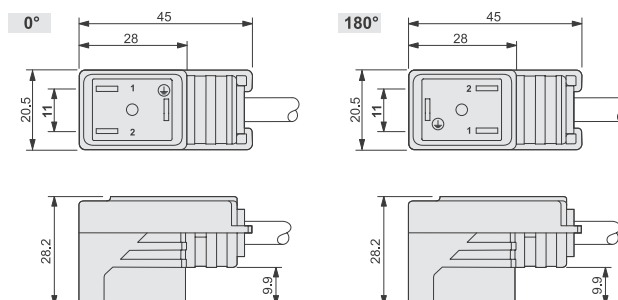
Equipment/Spare parts

Accessories	Tag holder 9×20 mm, white: Part-No. 681315 BZT-0920 PU: 100 units
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Notes and Comments

Comments	Very good chemical and oil resistance. The material resistance must be checked based on the application for use with aggressive media!
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Dimensions



Circuit diagram

