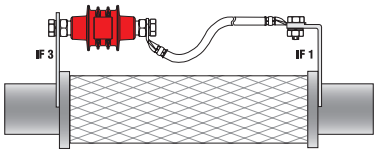
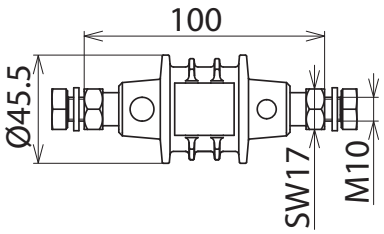
EXFS 100 (923 100)

- For indirect connection / earthing of functionally isolated parts of installations under lightning conditions
- Device for lightning equipotential bonding according to IEC 62305 in hazardous areas
- Approval according to ATEX Directive 2014/34/EU and IECEx





Basic circuit diagram



Dimension drawing

Isolating spark gap for use in hazardous areas with plastic sheath and M10 threaded screws.

Type	**EXFS 100**
Part No.	**923 100**
Isolating spark gap acc. to EN 62561-3 / IEC 62561-3	yes
Lightning impulse current (10/350 µs) (I_{imp})	100 kA
Lightning-current-carrying-capability class	H
Rated power-frequency withstand voltage (50 / 60 Hz) (U_{wAC})	250 V
DC withstand voltage (U_{wDC})	354 V
Rated impulse sparkover voltage ($U_{r\,imp}$)	≤ 1.25 kV
Operating temperature range (T_U)	-20 °C ... +60 °C
Degree of protection	IP 67
Approvals	UL, Inmetro
ATEX approvals	DEKRA 11ATEX0178 X
IECEx approvals	IECEx KEM 09.0051X
Inmetro approvals	TÜV 17.0698 X
Ex marking according to EN 60079-0 and EN 60079-1: Gases	II 2 G Ex db IIC T6 Gb Ex db IIC T6 Gb Ex db IIC T6 Gb
Ex marking according to EN 60079-0 and EN 60079-31: dust	II 2 D Ex tb IIIC T80 °C Db IP 66/67 Ex tb IIIC T80 °C Db IP 66/67 Ex tb IIIC T80 °C Db IP 66/67
Enclosure length	100 mm
Enclosure diameter	45.5 mm
Enclosure material	plastic sheath
Connection of enclosure	M10 threaded bushing, 2x M10x25 mm, 2x spring washer
Extended technical data	
Rated discharge current (50 / 60 Hz) (I_{max})	500 A / 0.2 sec.
Nominal discharge current (8/20 µs) (I_n)	100 kA
Power frequency sparkover voltage (50 / 60 Hz) (U_{aw})	≤ 0.5 kV

Masterdata	
Net weight	288.8 g/pc(s)
GTIN	4013364108325
PU	1 pc(s)
Customs tariff number (Comb. Nomenclature EU)	85369010

We reserve the right to make changes to the design and technology, dimensions, weights and materials in the interests of technical progress. The illustrations are not binding.

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: Tested • NEU: New • !: Discontinued Model
: Cross connector • : Longitudinal connector • : Parallel connector • : T connector • : Clamp for parallel connector • : Clamp for T connector
: Pipe clamp for parallel connector • : Pipe clamp for T connector • : Equipotential bonding bar • : Bridging component