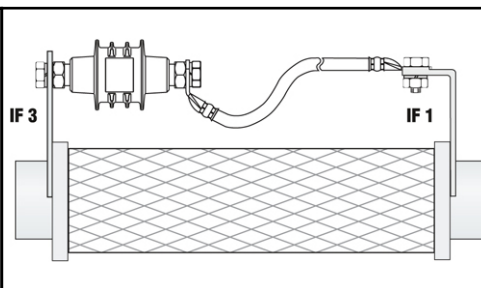


Dimension drawing EXFS 100



Installation of EXFS 100



EXFS 100: Isolating spark gap for use in hazardous zones with plastic coating and threaded M10 sockets

- For indirect connection/earthing of functionally separate parts of installations when being affected by lightning
- Device for lightning equipotential bonding according to IEC 62305 in hazardous areas
- For bridging insulating pieces, insulating flanges etc. in cathodic protected pipe sections
- For safe application in explosion protection zone 1 (gases) or 21 (dust)
- Considerably low sparkover voltage
- Considerably high a.c. current withstand capability

EXFS 100	
Lightning impulse current (10/350 µs) [I _{imp}]	100 kA
Class of lightning impulse current strength acc. to EN 50164-3	H
Nominal discharge current (8/20 µs) [I _n]	100 kA
Rated power-frequency withstand voltage (50 Hz) [U _{W/AC}]	250 V
100% Lightning impulse sparkover voltage [U _{rimp}]	≤ 1.25 kV
Power-frequency sparkover voltage (50 Hz) [U _{aw}]	≤ 0.5 kV
Rated discharge current (50 Hz) [I _{max}]	500 A / 0.5 sec. (T _U : ≤ 45°C)
(Ex) Marking acc. to EN 60079 (gas atmospheres)	II 2G Ex d IIC T6
(Ex) Marking according to EN 61241 (combustible dust)	II 2D Ex tD A21 IP67 T 80°C
Operating temperature range [T _U]	-20°C...+60°C
Degree of protection	IP 67
Approvals, Certifications	BVS 06 ATEX E 099
Length of enclosure	100 mm
Diameter of enclosure	45,5 mm
Enclosure material	plastic coating
Connection of enclosure	threaded M10 socket, 2x M10x25 mm, 2x spring washer
Ordering information	
Type	EXFS 100
Part No.	923 100
Packing unit	1pcs.



Thank you for reading this data sheet.

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