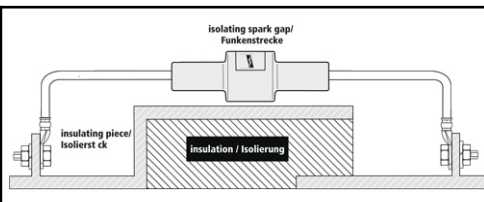


Dimension drawing EXFS 100 KU



Installation of EXFS 100 KU



EXFS 100 KU: Ex isolating spark gap with connecting cable for aboveground and underground installation

- 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 KU

Lightning impulse current (10/350 $\mu$ s) [ $I_{imp}$ ]	100 kA
Class of lightning impulse current strength acc. to EN 50164-3	H
Nominal discharge current (8/20 $\mu$ s) [ $I_n$ ]	100 kA
Rated power-frequency withstand voltage (50 Hz) [ $U_W/AC$ ]	250 V
100% Lightning impulse sparkover voltage [ $U_{rimp}$ ]	$\leq 1.25$ kV
Power-frequency sparkover voltage (50 Hz) [ $U_{aw}$ ]	$\leq 0.5$ kV
Rated discharge current (50 Hz) [ $I_{max}$ ]	500 A / 0.5 sec. ( $T_U: \leq 45^\circ C$ )
(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 IP 67 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	123 mm
Diameter of enclosure	34 mm
Enclosure material	plastic coating; water-proof coating
Connection of enclosure	NYJ-J-1x25 mm <sup>2</sup> , approx. 2 m long

### Ordering information

Type	EXFS 100 KU
Part No.	923 101
Packing unit	1 pcs.