

# Spark Gaps EXFS 100 KU

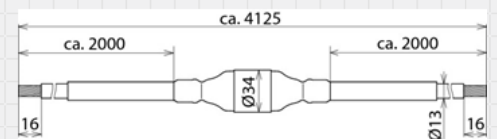
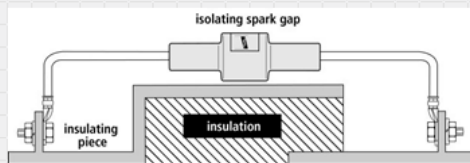
## APPLICATION

Lightning protection equipotential bonding in hazardous areas. In accordance with IEC 6230.

Type EXFS 100 KU

Installation For indirect connection/earthing of functionally isolated parts of installations under lightning conditions

Cable 2 x 2000mm lengths factory assembled



## Technical Data

Nominal discharge current (8/20) $i_{sn}$	100kA
Lightning impulse current $i_{imp}$	Corresponding to DIN 48810
AC sparkover voltage (50Hz) $U_{aw}$	1kV
100% standard lightning sparkover voltage (1.2/50 $U_{as100}$ )	2.2kV
Degree of protection/approval	Special degree of protection (Ex)s according to DIN VDE 0171, §49, temp class G4 (PTB Cert No : III B/E -23 805

## Spark Gaps Buried Type EXFS 100 KU

Type Part No	EXFS 100 KU 923 101
Isolating spark gap according to EN 62561-3 / IEC 62561-3	Yes
Lightning impulse current (10/350 $\mu$ s) (Iimp)	100 kA
Class (lightning current carrying capability)	H
Rated power-frequency withstand voltage (50 / 60 Hz) (UwAC)	250 V
Rated impulse sparkover voltage (Ur imp)	$\leq 1.25$ kV
Operating temperature range (TU)	-40 °C ... +60 °C
Temperature range during installation	-5 °C ... +50 °C
Degree of protection	IP 67
Approvals	Inmetro
ATEX approvals	DEKRA 11ATEX0178 X
Ex marking according to EN 60079-0 and EN 60079-1: gas	II 2 G Ex d 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
IECEX approvals	IECEX KEM 09.0051X
Ex marking according to EN 60079-0 and EN 60079-1: gas	Ex d IIC T6 Gb
Ex marking according to EN 60079-0 and EN 60079-31: dust	Ex tb IIIC T80°C Db IP 66/67
Inmetro approvals	TÜV 17.0698 X
Ex marking according to EN 60079-0 and EN 60079-1: gas	Ex db IIC T6 Gb
Ex marking according to EN 60079-0 and EN 60079-31: dust	Ex tb IIIC T80 °C Db IP 66/67
Enclosure length	123 mm
Enclosure diameter	34 mm
Enclosure material	water-proof plastic sheath
Connection of enclosure	NY-Y-J-1x25 mm <sup>2</sup>
Cable length	2x approx. 2000 mm
Extended technical data:	-----
– Rated discharge current (50 / 60 Hz) (I <sub>max</sub> )	500 A / 0.2 sec.
– Nominal discharge current (8/20 $\mu$ s) (I <sub>n</sub> )	100 kA
– Power frequency sparkover voltage (50 / 60 Hz) (U <sub>aw</sub> )	$\leq 0.5$ kV
Weight	1,98 kg
Customs tariff number (Comb. Nomenclature EU)	85369095
GTIN	4013364108332