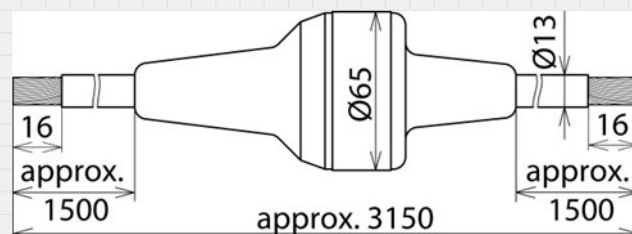


# Spark Gaps EXFS KU

## APPLICATION

Lightning protection equipotential bonding in hazardous areas. In accordance with DIN VDE 0185.

Type	Ex-FS KU
Installation	Adjacent to buried isolating joints
Cable	2 x 1500mm 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)



With:



## Spark Gaps EXFS 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)	50 kA
Class (lightning current carrying capability)	N
Rated power-frequency withstand voltage (50 Hz) (UwAC)	300 V
Rated impulse sparkover voltage (Ur imp)	$\leq 2.5$ Kv
Operating temperature range (TU)	-20 °C ... +80 °C
Ambient temperature range when used in hazardous areas	-20 °C ... +60 °C
Degree of protection	IP 67
ATEX approvals	DEKRA 11ATEX0146 X
Ex marking according to EN 60079-0 and EN 60079-15: gas	II 3 G Ex nC IIC T4 Gc
IECEx approvals	IECEx DEK 11.0063X
Ex marking according to EN 60079-0	Ex nC IIC T4 Gc
Enclosure length	90 mm
Enclosure diameter	63 mm
Enclosure material	zinc die-cast, plastic
Connecting cable	NYJ-J-1x25 mm <sup>2</sup>
Cable length	2x approx. 1500 mm
Extended technical data:	-----
– Nominal discharge current (8/20 $\mu$ s) (In)	100 kA
– Power frequency sparkover voltage (50 Hz) (Uaw)	$\leq 1.2$ kV
Weight	1,7 kg
Customs tariff number (Comb. Nomenclature EU)	85369095
GTIN	4013364033177