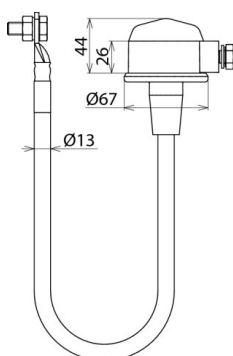
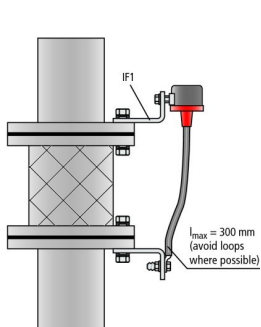


Spark Gaps SG4 Type

APPLICATION

Lightning protection equipotential bonding in hazardous areas. In accordance with DIN VDE 0185. For indirect connection / earthing of functionally isolated parts of installations under lightning conditions.



Spark Gap Data

Type	ExFS
Installation	At insulating flanges or at isolating joints
Connection bracket	Type IF 1. Pt No 923 011, maximum hole diameter to suit flange bolt is 60mm (indicate hole diameter)
Enclosure	Die cast zinc/plastic
Connection	M10 screw or connection cable 1 x 25mm ² with cable lug & M10 screw/nut
Dimensions	63mm diameter x 90mm long

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 SG4 Type

TECHNICAL SPECIFICATIONS & OPTIONS

Type	EXFS L100	EXFS L200	EXFS L300
Isolating spark gap according to EN 62561-3 / IEC 62561-3	Yes		
Lightning impulse current (10/350 μ s) (I_{imp})	50 kA		
Class (lightning current carrying capability)	N		
Rated power-frequency withstand voltage (50 Hz) (U_{wAC})	300 V		
Rated impulse sparkover voltage ($U_{r imp}$)	≤ 2.5 kV		
Operating temperature range (T_U)	-20 °C ... +80 °C		
Ambient temperature range when used in hazardous areas	-20 °C ... +60 °C		
Degree of protection	IP 54		
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	IECEx DEK 11.0063X		
Enclosure length	90 mm		
Enclosure diameter	63 mm		
Enclosure material	zinc die-cast, plastic		
Connecting cable	H01N2-D 25 mm ² with cable lug and screw / nut (M10)		
Cable length	100 mm	200 mm	300 mm
Suitable for flange size	20-130 mm	120-230 mm	220-320 mm
– Nominal discharge current (8/20 μ s) (I_n)	100 kA		
– Power frequency sparkover voltage (50 Hz) (U_{aw})	≤ 1.2 kV		
Weight	725 g	750 g	733 g
GTIN	4013364038899	4013364038905	4013364038917