

## Spark gap - FLT-ISG-100-EX - 2905579

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Isolating spark gap for the hazardous area with plastic sleeve and M10 connection thread screws. For indirect connection/grounding of operationally isolated system parts in the event of lightning.



### Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	280.0 g
Custom tariff number	73269098
Country of origin	Germany

### Technical data

#### Dimensions

Length	100 mm +2 mm
Diameter housing	45.50 mm

#### Ambient conditions

Degree of protection	IP67 (according to IEC 60529)
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 60 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	95 % (According to DIN ISO 60068-2-30 method 1)

#### General

Standards/specifications	IEC 62561-3 2012
	EN 62561-3 2012
Lightning protection class	H
SPD design	Voltage-switching type

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## Technical data

### General

Mounting type	Screw mounting
Color	traffic grey A RAL 7042
Type	Screw-on module
Surge protection fault message	None

### Additional descriptions

Note	Connection: screw (DIN 933), M10x25, wrench size: 17 mm, spring washer (DIN 7980), size: 10
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### Protective circuit

Nominal discharge current $I_n$ (8/20) $\mu$ s	100 kA
Lightning surge current $I_{imp}$ (10/350) $\mu$ s	100 kA
Alternating voltage response $U_{aw}$	$\leq 0.5$ kV
Rated power-frequency withstand voltage $U_{wAC}$	$\leq 250$ V AC
Rated DC withstand voltage $U_{wDC}$	$\leq 354$ V DC
Rated impulse sparkover voltage $U_{r imp}$	$\leq 1.25$ kV
Rated alternating discharge current	500 A / 0.2 s (At 50/60 Hz, max. discharge current in the event of external voltage influence at the installation location)
Response time $t_A$	$\leq 100$ ns

### Connection data

Connection name	Flange
Connection method	Connection bolts
Screw thread	M10

## Classifications

### eCl@ss

eCl@ss 5.1	27140201
eCl@ss 6.0	27140201
eCl@ss 7.0	27140201

### ETIM

ETIM 4.0	EC000510
ETIM 5.0	EC000510

## Drawings

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Dimensional drawing

