



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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

