



Automatización Eléctrica
Especialistas en Automatización

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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.



Why buy this product

- Isolating spark gap for indirect equipotential bonding
- Protection of insulating flanges in pipelines
- Can be used in Ex protection zone 1
- Accessories for lightning current absorbing connection available



Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 002446

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

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Technical data

General

SPD design	Voltage-switching type
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) μ s	100 kA
Lightning surge current I_{imp} (10/350) μ s	100 kA
Alternating voltage response U_{aw}	≤ 0.5 kV
Rated power-frequency withstand voltage U_{wAC}	≤ 250 V AC
Rated DC withstand voltage U_{wDC}	≤ 354 V DC
Rated impulse sparkover voltage $U_{r imp}$	≤ 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	≤ 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
eCl@ss 8.0	27140201

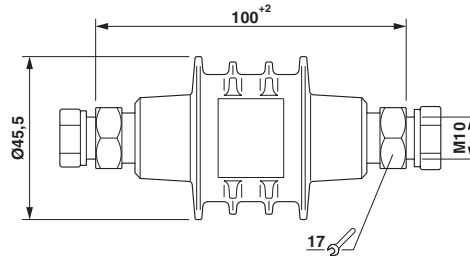
ETIM

ETIM 4.0	EC000510
ETIM 5.0	EC000510

Drawings

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

Dimensional drawing



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