

# FLT-ISG-100-EX - Spark gap

2905579

<https://www.phoenixcontact.com/us/products/2905579>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

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.



## Your advantages

- Use in harsh environments with robust design
- Suitable for potentially explosive areas with corresponding approvals
- Easy mounting with standardized connection technology

## Commercial data

Item number	2905579
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL01
Product key	CL1134
GTIN	4055626002446
Weight per piece (including packing)	290.5 g
Weight per piece (excluding packing)	285.4 g
Customs tariff number	73269098
Country of origin	DE

# FLT-ISG-100-EX - Spark gap

2905579

<https://www.phoenixcontact.com/us/products/2905579>



## Technical data

### Notes

#### General

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

### Product properties

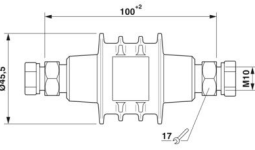
Product type	Spark gap
Lightning protection class	H
Type	Screw-on module
Surge protection fault message	none

### Connection data

#### Flange

Connection method	Connection bolts
Screw thread	M10

### Dimensions

Dimensional drawing	
Length	100 mm +2 mm

#### Housing

Diameter housing	45.50 mm
------------------	----------

### Material specifications

Color	gray (RAL 7042)
Material	TPE-S
Material Connection bolts	CuZn/galv. Sn
Material	Niro A2
	FSt/galv. Zn

### 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 $U_{wAC}$	250 V AC
Rated DC withstand voltage $U_{wDC}$	354 V DC
Rated front-of-wave sparkover voltage $U_{r imp}$	$\leq 1.25$ kV

# FLT-ISG-100-EX - Spark gap



2905579

<https://www.phoenixcontact.com/us/products/2905579>

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

## Environmental and real-life conditions

### 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	$\leq 2000$ m (amsl)
Permissible humidity (operation)	95 % (according to DIN ISO 60068-2-30 method 1)

## Approvals

### Conformity/Approvals

ATEX	Ⓜ II 2 G Ex d IIC T6 Gb
	Ⓜ II 2 D Ex tb IIIC T80 °C Db IP 66/67
IECEX	Ex d IIC T6 Gb
	Ex tb IIIC T80 °C Db IP66/67

## Standards and regulations

Standards/specifications	EN 62561-3
Note	2017
Standards/specifications	IEC 60079-0
Note	2017
Standards/specifications	EN IEC 60079-0
Note	2018
Standards/specifications	IEC 60079-1
Note	2014
Standards/specifications	EN 60079-1
Note	2014
Standards/specifications	IEC 60079-31
Note	2013
Standards/specifications	EN 60079-31
Note	2014

## Mounting

Mounting type	Screw mounting
---------------	----------------

# FLT-ISG-100-EX - Spark gap

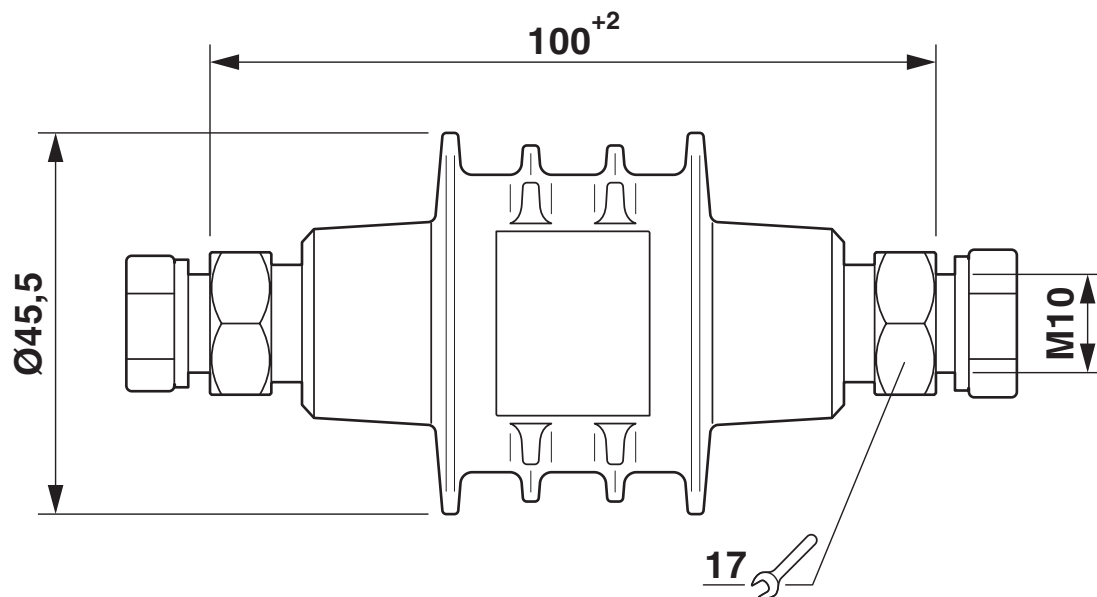
2905579

<https://www.phoenixcontact.com/us/products/2905579>



## Drawings

Dimensional drawing



# FLT-ISG-100-EX - Spark gap



2905579

<https://www.phoenixcontact.com/us/products/2905579>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2905579>



**UL Listed**

Approval ID: FILE E 482435



**ATEX**

Approval ID: DEKRA 14ATEX0050 X



**IECEX**

Approval ID: IECEX DEK 14.0012X



**UL Listed**

Approval ID: FILE E 495609

**INMETRO**

Approval ID: DNV 25.0179 X

# FLT-ISG-100-EX - Spark gap



2905579

<https://www.phoenixcontact.com/us/products/2905579>

## Classifications

### ECLASS

ECLASS-13.0	27170602
ECLASS-15.0	27170602

### ETIM

ETIM 10.0	EC000510
-----------	----------

### UNSPSC

UNSPSC 21.0	39121600
-------------	----------

# FLT-ISG-100-EX - Spark gap



2905579

<https://www.phoenixcontact.com/us/products/2905579>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	d8518c7b-2ba0-48e9-a9a9-e65453340a93

### EF3.1 Climate Change

CO2e kg	23.877 kg CO2e
---------	----------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)