



Automatización Eléctrica
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

Lightning arrester type 1 - FLT 60-400 - 2800107

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Type 1 / Class I / B arrester (lightning current arrester) with arc chopping spark gap, 1-channel. Housing width: 35 mm (2 div.)

Why buy this product

- High discharge capacity
- Single-channel

Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 479936

Technical data

Dimensions

Height	90 mm
Width	35.5 mm
Depth	65.5 mm
Horizontal pitch	2 Div.

Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C ... 85 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	I
	T1
EN type	T1
IEC power supply system	TN-S
	TN-C

Lightning arrester type 1 - FLT 60-400 - 2800107

Technical data

General

	TT
Number of ports	One
SPD design	Voltage-switching type
Mode of protection	L-PEN
Mounting type	DIN rail: 35 mm
Color	black
Housing material	PA 6.6
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	Rail-mountable module, one-piece
Number of positions	1
Surge protection fault message	None

Protective circuit

Nominal voltage U_N	230/400 V AC (TN)
	230/400 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C (L-PEN)	400 V AC
Rated load current I_L	80 A
Residual current I_{PE}	< 0.1 mA
Standby power consumption P_C	≤ 40 mVA
Nominal discharge current I_n (8/20) μ s (L-PEN)	60 kA
Impulse discharge current (10/350) μ s (L-PEN), charge	30 As
Impulse discharge current (10/350) μ s (L-PEN), specific energy	900 kJ/ Ω
Impulse discharge current (10/350) μ s (L-PEN), peak current value I_{imp}	60 kA
Follow current interrupt rating I_{fi} (L-PEN)	2.5 kA
Short-circuit current rating I_{SCCR}	2.5 kA
Voltage protection level U_p (L-PEN)	≤ 5 kV
Front of wave sparkover voltage at 6 kV (1.2/50) μ s	≤ 5 kV
TOV behavior at U_T (L-PEN)	440 V AC (5 s / withstand mode)
	440 V AC (120 min / withstand mode)
Response time t_A (L-PEN)	≤ 100 ns
Max. backup fuse with branch wiring	500 A AC (gG)
Max. backup fuse with V-type through wiring	80 A AC (gG)

Connection data

Connection method	Screw connection
Conductor cross section flexible min.	16 mm ²
Conductor cross section flexible max.	35 mm ²
Conductor cross section solid min.	10 mm ²
Conductor cross section solid max.	50 mm ²

Lightning arrester type 1 - FLT 60-400 - 2800107

Technical data

Connection data

Conductor cross section AWG	6 ... 1
Screw thread	M6
Tightening torque	8 Nm
Stripping length	17 mm

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201
eCl@ss 5.0	27140201
eCl@ss 5.1	27140201
eCl@ss 6.0	27140201
eCl@ss 7.0	27140201
eCl@ss 8.0	27130802
eCl@ss 9.0	27130802

ETIM

ETIM 2.0	EC000381
ETIM 3.0	EC000381
ETIM 4.0	EC000381
ETIM 5.0	EC000381

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

EAC

Ex Approvals

Lightning arrester type 1 - FLT 60-400 - 2800107

Approvals

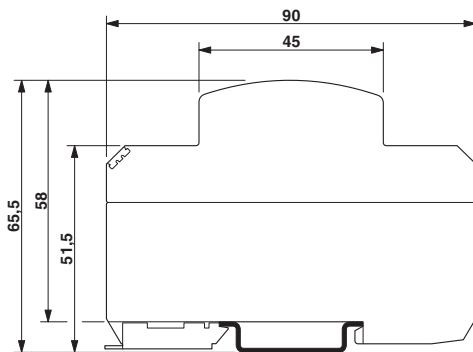
Approvals submitted

Approval details

EAC

Drawings

Dimensional drawing



Circuit diagram



Phoenix Contact 2016 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>



Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Type 1 / Class I / B arrester (lightning current arrester) with arc chopping spark gap, 1-channel. Housing width: 35 mm (2 div.)	2800107	FLT 60-400	Buy on EAN