

Lightning arrester type 1 - FLT 25-400 - 2800106

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Type 1 / Class I / B arrester (lightning current arrester) with arc chopping spark gap, 1-channel. Housing width: 17.5 mm (1 Div.)

Product Features

- High discharge capacity
- Single-channel



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	180.0 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Dimensions

Height	90 mm
Width	17.7 mm
Depth	65.5 mm
Horizontal pitch	1 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

IEC power supply system	TN-S
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Technical data

General

	TN-C
	TT
Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	black
Standards for clearances and creepage distances	EN 60664-1
	EN 61643-11
Mounting type	DIN rail: 35 mm
Type	Rail-mountable module, one-piece
Number of positions	1
Surge protection fault message	None
Direction of action	1L-N/PE

Protective circuit

IEC test classification	I
	T1
EN type	T1
Nominal voltage U_N	230/400 V AC (TN)
Maximum continuous operating voltage U_C (L-PEN)	440 V AC
U_T (TOV-proof)	440 V (5 sec.)
TOV behavior at U_T	<p></p>
Nominal frequency f_N	50 Hz (60 Hz)
Rated load current I_L	80 A
Residual current I_{PE}	≤ 0.1 mA
Standby power consumption P_C	≤ 44 mVA
Nominal discharge current I_n (8/20) μ s (L-PEN)	25 kA
Front of wave sparkover voltage at 6 kV (1.2/50) μ s	≤ 5 kV
Voltage protection level U_p (L-PEN)	≤ 5 kV
Response time t_A (L-PE)	≤ 100 ns
Max. backup fuse with branch wiring	250 A AC (gG)
Max. backup fuse with V-type through wiring	80 A AC (gG)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
Short-circuit current rating I_{SCCR}	2.5 kA
Follow current quenching capacity I_{fi} (L-PEN)	2.5 kA

Connection, protective circuit

Connection method	Screw connection
Connection type IN	Biconnect screw terminal block

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Connection, protective circuit

Connection type OUT	Biconnect screw terminal block
Connection method	Biconnect terminal block
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm
Conductor cross section flexible min.	2.5 mm ²
Conductor cross section flexible max.	25 mm ²
Conductor cross section solid min.	2.5 mm ²
Conductor cross section solid max.	35 mm ²
AWG conductor cross section	6 ... 2

Standards and Regulations

Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

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

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

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Approvals

Approvals

Approvals

EAC / EAC

Ex Approvals

Approvals submitted

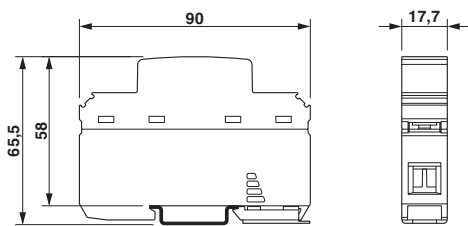
Approval details

EAC

EAC

Drawings

Dimensional drawing



Circuit diagram

