

Combination type 1/2 protective device - FLT 60-400 - 2800107

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

Your advantages

- ✓ High discharge capacity
- ✓ 1-channel

RoHS

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 479936
GTIN	4046356479936

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

IEC test classification	I
	T1

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Technical data

General

EN type	T1
IEC power supply system	TN-S
	TN-C
	TT
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	DIN rail 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 V-type through wiring	80 A AC (gG)
Max. backup fuse with branch wiring	500 A AC (gG)

Connection data

Connection method	Screw connection
Screw thread	M6
Tightening torque	8 Nm
Stripping length	17 mm

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Connection data

Conductor cross section flexible min.	16 mm²
Conductor cross section flexible max.	35 mm²
Conductor cross section solid min.	10 mm²
Conductor cross section solid max.	50 mm²
Conductor cross section AWG	6 ... 1

Standards and Regulations

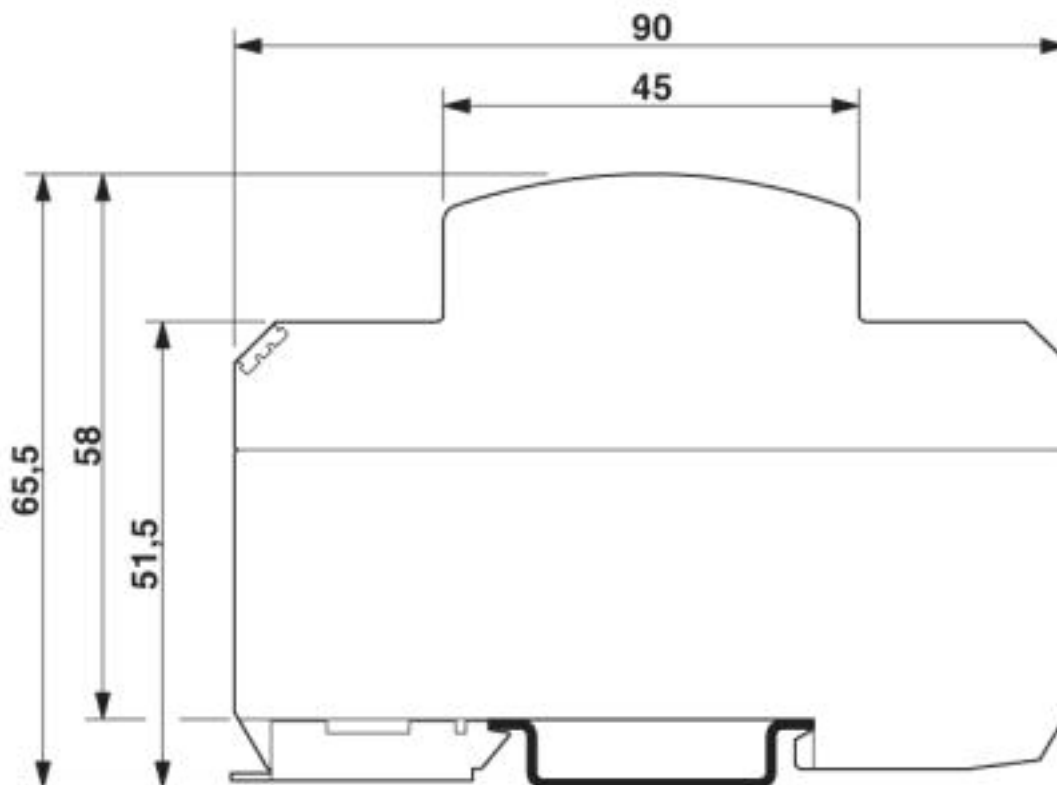
Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



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Circuit diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC



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