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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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.)

### Why buy this product

- High discharge capacity
- 1-channel

### Key Commercial Data

Packing unit	1 STK
GTIN	
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

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

## 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) $\mu$ s (L-PEN)	60 kA
Impulse discharge current (10/350) $\mu$ s (L-PEN), charge	30 As
Impulse discharge current (10/350) $\mu$ s (L-PEN), specific energy	900 kJ/ $\Omega$
Impulse discharge current (10/350) $\mu$ 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) $\mu$ 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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## Technical data

### Connection data

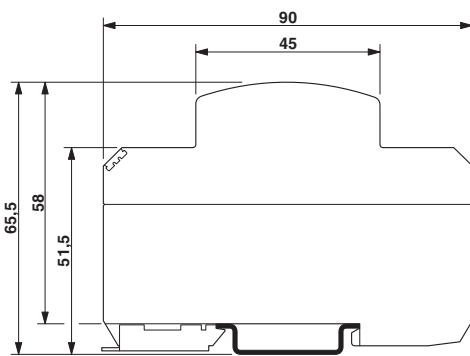
Conductor cross section flexible min.	16 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Conductor cross section solid min.	10 mm <sup>2</sup>
Conductor cross section solid max.	50 mm <sup>2</sup>
Conductor cross section AWG	6 ... 1

### Standards and Regulations

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

## Drawings

Dimensional drawing



Circuit diagram



## Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B01561
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