

Combination type 1/2 protective device - FLT-SEC-ZP-3C-255/7,5 - 1074739

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Lightning arrester, in acc. with Type 1 / Class I, for 3-phase power supply networks with combination installed N and PE (L1, L2, L3, PEN). Suitable for equipotential bonding in systems with overhead line supply. For mounting on 40 mm busbar systems.

Why buy this product

- ✓ Fast and error-free installation, thanks to direct mounting on 40 mm rail system
- ✓ Fits in every installation distributor, thanks to extremely narrow overall width



Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 775296
GTIN	4055626775296
Weight per Piece (excluding packing)	644.050 g
Weight per piece (including packing)	730.500 g
Custom tariff number	85363090
Country of origin	Germany
Sales Key	K1 - Overvoltage Protect.
Note	Made to Order (non-returnable)

Technical data

Dimensions

Height	223.2 mm
Width	47 mm
Depth	110.7 mm
Horizontal pitch	2.6 Div.

Ambient conditions

Degree of protection	IP30 (Installed)
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Technical data

Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 6000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %

General

IEC test classification	I + II
	T1 + T2
EN type	T1 + T2
IEC power supply system	TN-C
Mode of protection	L-PEN
Mounting type	Busbar 40 mm
Color	light grey RAL 7035
Housing material	PA 6.6-FR
	PC
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	Busbar module, one-piece
Number of positions	3
Surge protection fault message	optical

Protective circuit

Nominal voltage U_N	230/400 V AC (TN-C)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	255 V AC
Nominal discharge current I_n (8/20) μ s	20 kA
Impulse discharge current (10/350) μ s, charge	3.75 As
Impulse discharge current (10/350) μ s, specific energy	15 kJ/ Ω
Impulse discharge current (10/350) μ s, peak value I_{imp}	7.5 kA
Follow current interrupt rating I_{fi}	25 kA
Short-circuit current rating I_{SCCR}	25 kA
Voltage protection level U_p	≤ 1.5 kV
TOV behavior at U_T	337 V AC (5 s / withstand mode)
	442 V AC (120 min / safe failure mode)
Response time t_A	≤ 100 ns
Max. backup fuse with branch wiring	250 A (gG)

Connection data

Connection method	Screw terminal blocks
Screw thread	M5

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Technical data

Connection data

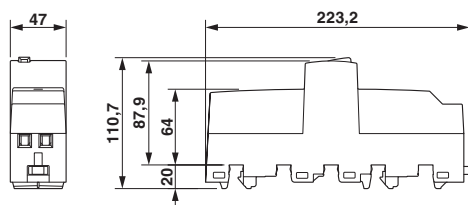
Tightening torque	4.5 Nm
Stripping length	18 mm
Conductor cross section flexible	2.5 mm ² ... 35 mm ²
Conductor cross section solid	2.5 mm ² ... 35 mm ²

Standards and Regulations

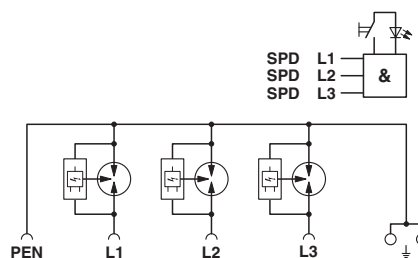
Standards/regulations	IEC 61643-11 2011
	EN 61643-11 2012

Drawings

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 8.0	27130802
eCl@ss 9.0	27130802

ETIM

ETIM 5.0	EC000381
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Approvals

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KEMA-KEUR / CCA / IECCE CB Scheme / VDE approval of drawings

Ex Approvals

Approval details

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Approvals

KEMA-KEUR		http://www.dekra-certification.com	71-104380
CCA			NTR-NL 7693
IECEE CB Scheme		http://www.iecee.org/	NL-52556
VDE approval of drawings		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40048381

Accessories

Accessories

Device marking

Label - EML (20XE)R - 0803452



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL 2, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: continuous x 20 mm

Label - EML (20XE)R YE - 0803453



Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK ROLL 2, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: continuous x 20 mm

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

