

Combination type 1/2 protective device - FLT 35 CTRL-0.9/I - 2817424

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Type 1/Class I/B arrester (lightning current arrester) with encapsulated arc chopping spark gap and ignition electronics with control lamp, single-channel. Housing width: 17.5 mm (1 div.)

RoHS

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	189.400 g
Custom tariff number	85363030
Country of origin	Germany

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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Dimensions

Height	88.6 mm
Width	17.6 mm
Depth	66.2 mm
Horizontal pitch	1 Div.

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C
Permissible humidity (operation)	≤ 95 %

General

Housing material	PA
Flammability rating according to UL 94	V0

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Technical data

General

Color	black
Mounting type	DIN rail: 35 mm
Type	DIN rail module, one-piece
Surge protection fault message	optical
Direction of action	1L-N/PE

Protective circuit

IEC test classification	I
	T1
EN type	T1
Maximum continuous operating voltage U_C	260 V AC
Maximum continuous operating voltage U_C (L-N)	260 V AC
Maximum continuous operating voltage U_C (L-PEN)	260 V AC
Nominal frequency f_N	50 Hz
	60 Hz
Residual current I_{PE}	≤ 2.5 mA
Operating effective current I_C at U_N	≤ 2.5 mA
Impulse discharge current (10/350) μ s, charge	17.5 As
Impulse discharge current (10/350) μ s, specific energy	305 kJ/ Ω
Impulse discharge current (10/350) μ s, peak value I_{imp}	35 kA
Nominal discharge current I_n (8/20) μ s	35 kA
Nominal discharge current I_n (8/20) μ s (L-N)	35 kA
Nominal discharge current I_n (8/20) μ s (L-PEN)	35 kA
100 % lightning impulse sparkover voltage (1.2/50) μ s	≤ 0.9 kV
Voltage protection level U_p	≤ 0.9 kV
Voltage protection level U_p (L-N)	≤ 0.9 kV
Voltage protection level U_p (L-PEN)	≤ 0.9 kV
Response time t_A	≤ 100 ns
Response time t_A (L-N)	≤ 100 ns
Response time t_A (L-PE)	≤ 100 ns
Max. backup fuse with branch wiring	125 A (gL)
Short-circuit withstand capability I_P with max. backup fuse (r.m.s.)	25 kA
Follow current interrupt rating I_{fi} (L-N)	3 kA
Follow current quenching capacity I_{fi} (L-PEN)	3 kA

Connection, protective circuit

Connection method	Screw connection
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Technical data

Connection, protective circuit

Connection method IN	Biconnect screw terminal block
Connection method OUT	Biconnect screw terminal block
Connection technology	Biconnect terminal block
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm
Conductor cross section flexible min.	0.5 mm ²
Conductor cross section flexible max.	25 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	35 mm ²
Conductor cross section AWG min.	20
Conductor cross section AWG max.	2

Standards and Regulations

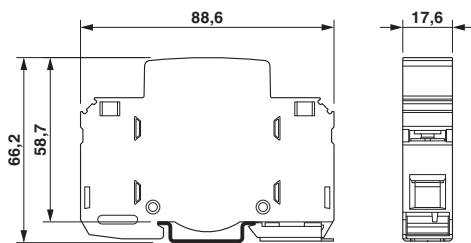
Standards/regulations	IEC 61643-1 1998
	E DIN VDE 0675-6 1989
	E DIN VDE 0675-6/A1 1996
	E DIN VDE 0675-6/A2 1996
	IEC 61312-1 1995

Environmental Product Compliance

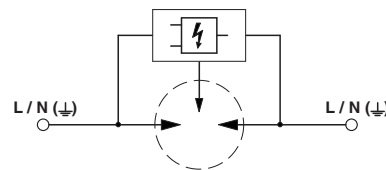
REACH SVHC	Lead 7439-92-1
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Drawings

Dimensional drawing



Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27140201

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Classifications

eCl@ss

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

Approval details

EAC		RU C- DE.A*30.B01561
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Accessories

Accessories

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Accessories

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm

End block

End clamp - CLIPFIX 35 - 3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

Labeled device marker

Marker for terminal blocks - ZBN 18,LGS:ERDE - 2749589



Marker for terminal blocks, Strip, white, labeled, Horizontal: Grounding symbol, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm

Marker for terminal blocks - ZBN 18,LGS:L1-N,ERDE - 2749576



Marker for terminal blocks, Strip, white, labeled, Horizontal: L1, L2, L3, N, GND, mounting type: snap into tall marker groove, for terminal block width: 18 mm, lettering field size: 18 x 5 mm

Marker pen

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Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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