

Lightning arrester type 1 - FLT 35 CTRL-0.9/I - 2817424

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



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



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	189.4 GRM
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	89.8 mm
Width	17.7 mm
Depth	65.5 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
Inflammability class according to UL 94	V0
Color	black
Mounting type	DIN rail: 35 mm
Type	Rail-mountable module, one-piece
Surge protection fault message	Optical

Lightning arrester type 1 - FLT 35 CTRL-0.9/I - 2817424

Technical data

General

Direction of action	1L-N/PE
---------------------	---------

Protective circuit

IEC test classification	I
	T1
EN type	T1
Nominal voltage U_N	230 V AC
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
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
Impulse discharge current (10/350) μ s, charge	17.5 As
Impulse discharge current (10/350) μ s, specific energy	305.00 kJ/ Ω
Impulse discharge current (10/350) μ s, peak value I_{imp}	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	≤ 100 ns
Response time (L-N)	≤ 100 ns
Response time (L-PEN)	≤ 100 ns
Max. required backup fuse with branch wiring	125 A (gL)
Short-circuit resistance I_p with max. backup fuse (effective)	25 kA
Short-circuit current self-quenching	3 kA (260 V)
Follow current quenching capacity I_f (L-N)	3 kA
Follow current quenching capacity I_f (L-PEN)	3 kA

Connection, protective circuit

Connection method	Screw connection
Connection type IN	Biconnect screw terminal block
Connection type OUT	Biconnect screw terminal block
Connection method	Biconnect terminal block

Lightning arrester type 1 - FLT 35 CTRL-0.9/I - 2817424

Technical data

Connection, protective circuit

Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm
Conductor cross section stranded min.	0.5 mm ²
Conductor cross section stranded 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/kcmil min.	20
Conductor cross section AWG/kcmil 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

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	27140201

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

Lightning arrester type 1 - FLT 35 CTRL-0.9/I - 2817424

Classifications

UNSPSC

UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

GOST

Ex Approvals

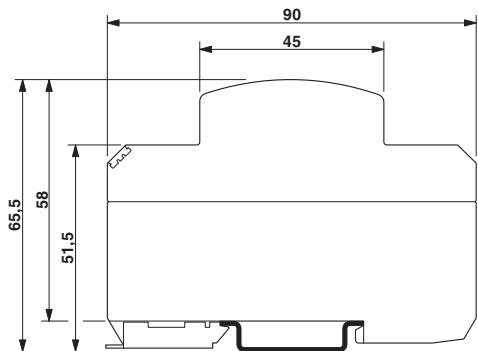
Approvals submitted

Approval details

GOST 

Drawings

Dimensioned drawing



Circuit diagram

