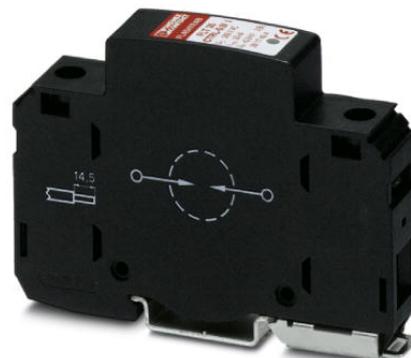


## FLT 35 CTRL-1.5

Order No.: 2816894

The illustration shows version FLT 35 CTRL-0,9/I



Type 1 / Class I / B arrester (lightning current arrester) with encapsulated arc chopping spark gap and ignition electronics, 1-channel. Protection level: 1.5 kV. Housing width: 17.5 mm (1 Div.)

### Commercial data

EAN	 4 017918 606220
Pack	1
Customs tariff	85363030
Gross weight in pieces	188.60 g
Country of Origin	DE
Catalog page information	Page 19 (TT-2007)

### Product notes

WEEE/RoHS-compliant since:  
03/05/2006



Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation at <http://www.download.phoenixcontact.com>. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Standards

Housing material	PA
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	IEC 60664-1
	VDE 0110-1

Degree of protection	IP20
Mounting type	DIN rail: 35 mm
Design	Rail-mountable module, one-piece
Ambient temperature (operation)	-40 °C ... 85 °C
Permissible humidity (operation)	≤ 95 %
Message: Surge protection fault	None
Direction of action	1L-N/PE
Width	17.7 mm
Height	89.8 mm
Depth	65.5 mm
Pitch unit	1 Div.

#### Protective circuit

IEC category	I
	T1
EN type	T1
Nominal voltage $U_N$	230 V AC
Arrester rated voltage $U_C$	440 V AC
Arrester rated voltage $U_C$ (L-N)	440 V AC
Arrester rated voltage $U_C$ (L-PEN)	440 V AC
Nominal frequency $f_N$	50 Hz
	60 Hz
Ground conductor current $I_{PE}$	≤ 0.5 mA
Operating effective current $I_C$ at $U_N$	≤ 0.5 mA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s	35 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (L-N)	35 kA
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (L-PEN)	35 kA
Lightning test current (10/350) $\mu$ s, charge	17.5 As
Lightning test current (10/350) $\mu$ s, specific energy	305.00 kJ/ $\Omega$
Lightning test current (10/350) $\mu$ s, peak value $I_{imp}$	35 kA
100% lightning impulse sparkover voltage (1.2/50) $\mu$ s	≤ 1.5 kV
100% lightning impulse sparkover voltage (1.2/50) $\mu$ s (L-N)	≤ 1.5 kV
100% lightning impulse sparkover voltage (1.2/50) $\mu$ s (L-PEN)	≤ 1.5 kV

Protection level $U_p$	$\leq 1.5$ kV
Protection level $U_p$ (L-N)	$\leq 1.5$ kV
Protection level $U_p$ (L-PEN)	$\leq 1.5$ kV
Response time	$\leq 100$ ns
Response time (L-N)	$\leq 100$ ns
	$\leq 100$ 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)
	1.5 kA (440 V)
Follow current quenching capacity $I_f$ (L-N)	3 kA (260 V)
Follow current quenching capacity $I_f$ (L-PE)	3 kA (260 V)

#### 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
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	14.5 mm
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	25 mm <sup>2</sup>
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	35 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	2

#### Standards

Standards/regulations	IEC 61643-1 1998-02
	E DIN VDE 0675-6 1989-11
	E DIN VDE 0675-6/A1 1996-03
	E DIN VDE 0675-6/A2 1996-10
	IEC 61312-1 1995-02

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## Certificates



Certification

GOST

Certifications applied for:

Certification Ex:

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## Accessories

Item	Designation	Description
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### Assembly

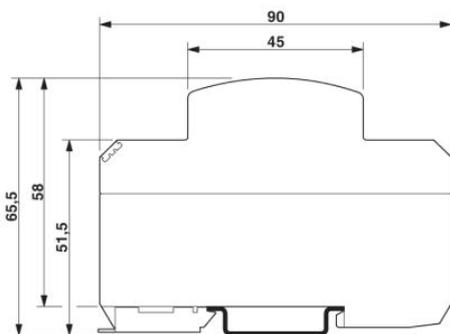
3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray
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### Marking

1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
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## Drawings

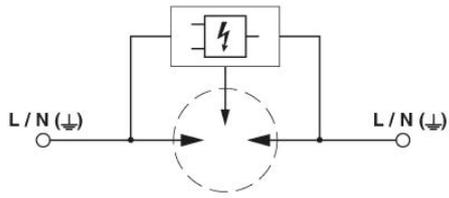
Dimensioned drawing



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Circuit diagram

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