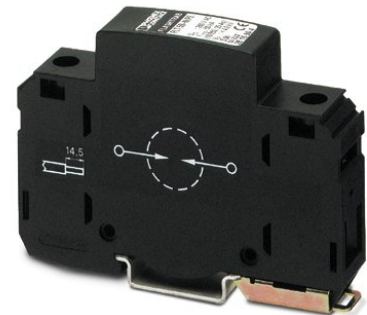


## FLT 50 N/PE

This item is no longer available. Should you have any questions, please contact our Sales Team.

Order No.: 2816904



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2816904>

Lightning current arrester with encapsulated N-PE spark gap, 1-channel. Housing width: 17.5 mm (1 Div.)

### Commercial data

EAN	4017918574345
Pack	1 pcs.
Customs tariff	85363030
Weight/Piece	0.1831 KG
Catalog page information	Page 21 (TT-2002)

### Product notes

WEEE/RoHS-compliant since:  
03/29/2006



<http://www.download.phoenixcontact.com>  
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. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Standards

Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black
Degree of protection	IP20

Mounting type	DIN rail 35 mm
Design	Rail-mountable module, one-piece
Number of positions	1
Ambient temperature (operation)	-40 °C ... 85 °C
Permissible humidity (operation)	≤ 95 %
Direction of action	N-PE
Width	17.70 mm
Height	65.50 mm
Length	89.80 mm
Pitch unit	1 Div.

**Protective circuit**

IEC category	I
EN type	T1
Nominal voltage $U_N$	230 V AC
Arrester rated voltage $U_C$ (N-PE)	260 V
Nominal frequency $f_N$	50 Hz 60 Hz
Discharge current to PE at $U_C$	< 10 µA
Operating effective current $I_C$ at $U_N$	≤ 10 µA
Nominal discharge surge current $I_n$ (8/20) µs (L-PE)	50 kA
Lightning test current (10/350) µs, charge	25 As
Lightning test current (10/350) µs, specific energy	625.00 kJ/Ω
Lightning test current (10/350) µs, peak value $I_{imp}$	50 kA
Protection level $U_P$ (L-PE)	≤ 4 kV
Protection level $U_P$ (N-PE)	≤ 4 kV
Response time (L-PE)	≤ 100 ns
Max. required backup fuse with branch wiring	125 A (gL)
Short circuit resistance $I_{CC}$ with max. backup fuse (effective)	25 kA
Short circuit current self-quenching	500 A (260 V)

**Connection, protective circuit**

Type of connection	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, min	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	3

#### Environmental conditions

Standards/regulations	IEC 61643-1
	EN 61643-11
	IEC 61643-21

#### Certificates / Approvals



Certification CB, GOST

#### CUL

AWG/kcmil	2-18
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#### UL

AWG/kcmil	2-18
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#### Accessories

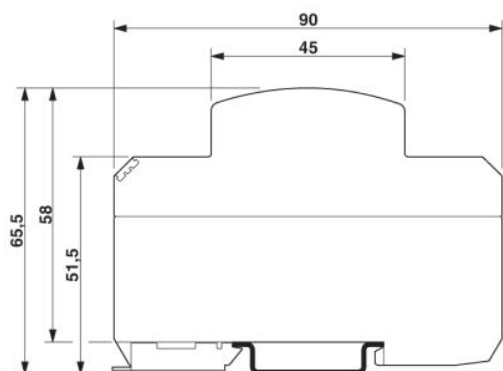
Item	Designation	Description
<b>Assembly</b>		
3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray

**Marking**

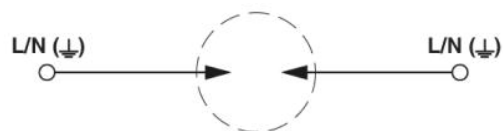
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
2749589	ZBN 18,LGS:ERDE	Marking labels, printed horizontally, strips with 5 labels, GND (grounding symbol), color: White
2749576	ZBN 18,LGS:L1-N,ERDE	Marker labels, printed horizontally, strips with 5 labels, L1, L2, L3, N, GND, color: white
2809128	ZBN 18:UNBEDRUCKT	Unprinted marker labels, strips with 5 labels for individual labeling with M-PEN or CMS system, for terminal block width: 17.5 mm, color: White

**Drawings**

Dimensioned drawing



Circuit diagram



FLT 50 N/PE Order No.: 2816904

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