Extract from the online catalog

FLT-CP-PLUS-1C-350

Order No.: 2882695

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2882695

Pluggable lighting current arrester, in acc. with type 1/class I/B for 1-phase power supply networks with combined PE and N (L1, PEN) installed in one cable.

Commercial data	
GTIN (EAN)	4 046356 098199
Note	Made-to-order
sales group	J010
Pack	1 pcs.
Customs tariff	85363010
Catalog page information	Page 16 (TT-2009)

Product notes

WEEE/RoHS-compliant since: 06/07/2006

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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	PBT
Inflammability class acc. to UL 94	V0
Color	gray

Standards for air and creepage distances	EN 60664-1
	IEC 60664-1: 1992-10
	IEC 61643-11
Degree of protection	IP20
Mounting type	DIN rail: 35 mm
Design	DIN rail module, two-section, divisible
Number of positions	1
Ambient temperature (operation)	-40 °C ... 80 °C
Message: Surge protection fault	Optical, remote indicator contact
Direction of action	1L-N/PE
Width	35.80 mm
Height	70.00 mm
Length	95.80 mm
Pitch unit	2 Div.

Protective circuit

IEC category	I
	T1
EN type	T1
Lightning protection class	III/IV /50 kA (TN-C)
Nominal voltage U_N	240 V AC (230/400 V AC ... 240/415 V AC)
Arrester rated voltage U_C (L-N)	350 V AC
Arrester rated voltage U_C (L-PEN)	350 V AC
U_T (TOV-proof)	415 V (5 s)
Nominal frequency f_N	50 Hz (60 Hz)
Nominal load current I_L	125 A (≤ 55°C)
Standby power consumption P_C	≤ 2 mVA
Nominal discharge surge current I_n (8/20) µs (L-N)	25 kA
Nominal discharge surge current I_n (8/20) µs (L-PEN)	25 kA
	25 kA (L-PEN)
Lightning test current (10/350) µs, charge	12.5 As
Lightning test current (10/350) µs, specific energy	160.00 kJ/Ω
Lightning test current (10/350) µs, peak value I_{imp}	25 kA
Lightning test current (10/350) µs, charge	12.5 As
Lightning test current (10/350) µs, specific energy	160.00 kJ/Ω

Lightning test current (10/350) µs, peak value I_{imp}	25 kA (1L-PEN)
Impulse operate voltage at 6 kV (1.2/50)µs (L-PEN)	≤ 1.5 kV
Protection level U_P (L-N)	≤ 1.5 kV
Protection level U_P (L-PEN)	≤ 1.5 kV
Response time (L-N)	≤ 100 ns
Max. required backup fuse with branch wiring	315 A (gL/gG)
Max. required backup fuse with V-type through wiring	125 A (gL/gG)
Recommended backup fuse maximum	160 A (gL/gG, 125 A with serial through wiring)
Short-circuit resistance I_P with max. backup fuse (effective)	50 kA
Follow current quenching capacity If (L-N)	50 kA (264 V AC)
Follow current quenching capacity If (L-PE)	50 kA (264 V AC)
	25 kA (350 V AC)

Connection, protective circuit

Type of connection	Screw terminal blocks
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	18 mm
Conductor cross section stranded min.	2.5 mm²
Conductor cross section stranded max.	25 mm²
Conductor cross section solid min.	2.5 mm²
Conductor cross section solid max.	35 mm²
Conductor cross section AWG/kcmil min.	13
Conductor cross section AWG/kcmil max	2

Remote indicator contact

Connection name	Remote fault indicator contact
Switching function	PDT contact
Type of connection	Plug-in/screw connection via COMBICON
Screw thread	M2
Tightening torque	0.25 Nm

Stripping length	7 mm
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	1.5 mm²
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
Conductor cross section AWG/kcmil min.	28
Conductor cross section AWG/kcmil max	16
Maximum operating voltage $U_{max.}$ AC	250 V AC
Maximum operating voltage U_{max} DC	125 V DC
Max. operating current I_{max}	1 A AC (inductive)
	1 A AC (ohmic)
	30 mA DC (inductive)
	200 mA DC (ohmic)

Standards

Standards/regulations	IEC 61643-1 2005
	EN 61643-11 2002
	EN 61643-11/A11 2007
	UL 1449 ed. 2

Certificates / Approvals

Certification	CUL, GOST, UL

Accessories

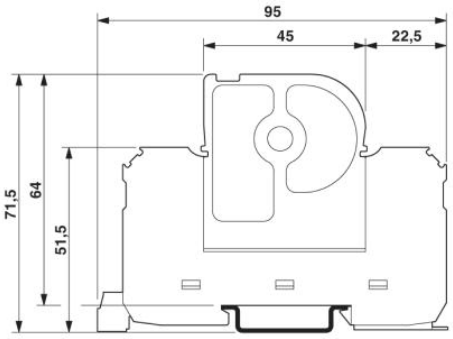
Item	Designation	Description
General		
2859913	FLT-CP-PLUS-350-ST	Type 1 / Class I / B arrester (lightning arrester) replacement plug for paths L-N and L-PEN, can be combined with FLASHTRAB compact series of products.

Marking

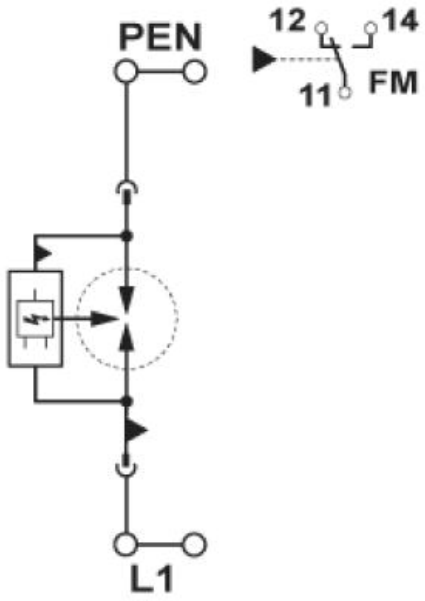
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
2749589	ZBN 18,LGS:ERDE	Marking labels, printed horizontally, strips with 5 labels, GND (grounding symbol), color: White
2749576	ZBN 18,LGS:L1-N,ERDE	Marker labels, printed horizontally, strips with 5 labels, L1, L2, L3, N, GND, color: white
0800763	ZBN 18:SO/CMS	Marker labels, 5-section, special printing, labeled according to customer requirements (Please specify the required marking with order), for terminal width: 17.5 mm, 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

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



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