

FLT 100 N/PE-1.5-ST


Order No.: 2800304



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Type 1/Class I/B arrester (lightning arrester) replacement connector for N-PE path.

Commercial data

GTIN (EAN)	 4 046356 535243
Note	Made-to-order
sales group	J000
Pack	1 pcs.
Customs tariff	85363010

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Technical data

Standards

Housing material	PBT
Inflammability class according 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	On base element
Design	DIN rail module, two-section, divisible

Number of positions	1
Ambient temperature (operation)	-40 °C ... 80 °C
Direction of action	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	I /100 kA (TT, TN-C-S)
Nominal voltage U_N	230 V AC (N-PE)
Arrester rated voltage U_C	260 V AC
Arrester rated voltage U_C (N-PE)	260 V AC
U_T (TOV-proof)	1200 V AC (200 ms / N-PE)
Nominal frequency f_N	50 Hz (60 Hz)
Ground conductor current I_{PE}	$\leq 5 \mu A$
Standby power consumption P_C	$\leq 2 \text{ mVA}$
Nominal discharge surge current I_n (8/20) μs	100 kA
Nominal discharge surge current I_n (8/20) μs (N-PE)	100 kA
Lightning test current (10/350) μs , charge	50 As
Lightning test current (10/350) μs , specific energy	2.50 MJ/ Ω (N-PE)
Lightning test current (10/350) μs , peak value I_{imp}	100 kA
Impulse operate voltage at 6 kV (1.2/50) μs	$\leq 1.5 \text{ kV}$
Impulse operate voltage at 6 kV (1.2/50) μs (N-PE)	$\leq 1.5 \text{ kV}$
Protection level U_p	$\leq 1.5 \text{ kV}$
Protection level UP (N-PE)	$\leq 1.5 \text{ kV}$
Residual voltage	$\leq 1.5 \text{ kV}$ (at I_n)
	$\leq 1 \text{ kV}$ (at 10 kA)
	$\leq 0.9 \text{ kV}$ (at 5 kA)
	$\leq 0.8 \text{ kV}$ (at 3 kA)

Residual voltage (N-PE)	≤ 1.5 kV (at I _n)
	≤ 1 kV (at 10 kA)
	≤ 0.9 kV (at 5 kA)
	≤ 0.8 kV (at 3 kA)
Response time	≤ 100 ns
Response time (N-PE)	≤ 100 ns
Follow current quenching capacity I _f (N-PE)	100 A

Connection, protective circuit

Connection type IN	FLASHTRAB/VALVETRAB plug-in system
Connection type OUT	FLASHTRAB/VALVETRAB plug-in system

Standards

Standards/regulations	IEC 61643-1 2005
	EN 61643-11 2002
	EN 61643-11/A11 2007

Certificates / Approvals



Certification CUL, KEMA, UL

Accessories

Item	Designation	Description
Marking		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
0803595	ZBFM 5/WH:UNBEDRUCKT	Flat zack marker sheet, Sheet, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5.2 mm, Lettering field: 5 x 4.5 mm
2749589	ZBN 18,LGS:ERDE	Zack marker strip, Strip, white, Labeled, Horizontal: Grounding symbol, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm
2749576	ZBN 18,LGS:L1-N,ERDE	Zack marker strip, Strip, white, Labeled, Horizontal: L1, L2, L3, N, GND, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

0800763	ZBN 18:SO/CMS	Zack marker strip, white, For terminal block width: 18 mm
2809128	ZBN 18:UNBEDRUCKT	Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

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