

PT 4-PE/S-230AC/FM

Order No.: 2882459



Pluggable type 3 arrester (device protection) for 3-phase power supply networks with separate N and PE (5-conductor system: L1, L2, L3, N, PE), with remote indication contact. Overall width: 35 mm.

Commercial data

EAN	4046356081771
Pack	5 pcs.
Customs tariff	85369010
Weight/Piece	0.12424 KG
Catalog page information	Page 46 (TT-2009)

Technical data

Standards

Housing material	PA
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
	IEC 61643-1
	DIN EN 61643-11
Degree of protection	IP20
Design	DIN rail module, two-section, divisible
Mounting type	DIN rail 35 mm
Number of positions	4
Ambient temperature (operation)	-40 °C ... 85 °C
Direction of action	3L-N & N-PE
Width	35.40 mm
Height	65.50 mm
Length	90.00 mm
Pitch unit	2 Div.

Protective circuit

IEC category	III
	T3
EN type	T3
Nominal voltage U_N	230 V AC (Max. 240/415 V AC)
	400 V AC (L-L)
Arrester rated voltage U_C	335 V AC (255 V AC / N-PE)
Arrester rated voltage U_C (L-N)	335 V AC
Arrester rated voltage U_C (N-PE)	255 V AC
Nominal frequency f_N	50 Hz
	60 Hz
Nominal current I_N	26 A ($\leq 30^\circ\text{C}$)
Discharge current to PE at U_C	$\leq 2.5 \mu\text{A}$
Nominal discharge surge current I_n (8/20) μs	1.5 kA (per channel)
Nominal discharge surge current I_n (8/20) μs (L-N)	1.5 kA
Nominal discharge surge current I_n (8/20) μs (L-PE)	1.5 kA
Nominal discharge surge current I_n (8/20) μs (N-PE)	1.5 kA
Max. discharge surge current I_{max} (8/20) μs	10 kA (N-PE)
Max. discharge surge current I_{max} (8/20) μs maximum (L-N)	4.5 kA

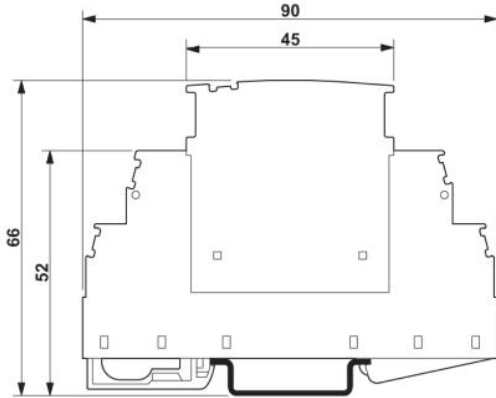
Max. discharge surge current I_{\max} (8/20) μs maximum (L-PE)	4.5 kA
Max. discharge surge current I_{\max} (8/20) μs maximum (N-PE)	10 kA
Combined surge U_{OC}	4 kV
Protection level U_{P} (L-N)	≤ 1.2 kV
Protection level U_{P} (L-PE)	≤ 1.5 kV
Protection level U_{P} (N-PE)	≤ 1.5 kV
Response time t_{A} (L-N)	≤ 25 ns
Response time t_{A} (L-PE)	≤ 100 ns
Response time t_{A} (N-PE)	≤ 100 ns
Max. required back-up fuse	25 A (gL)
Short circuit resistance I_{CC} with max. backup fuse (effective)	1.5 kA
Message surge protection faulty	Optical, remote indicator contact

Remote indicator contact

Connection name	Remote fault indicator contact
Schaltfunktion_Int	N/C contact
Type of connection	Screw connection
Screw thread	M3
Tightening torque, min	0.8 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Maximum operating voltage U_{max} AC	250 V
Max. operating current I_{max}	3 A AC/DC

Drawings

Dimensioned drawing



Circuit diagram

