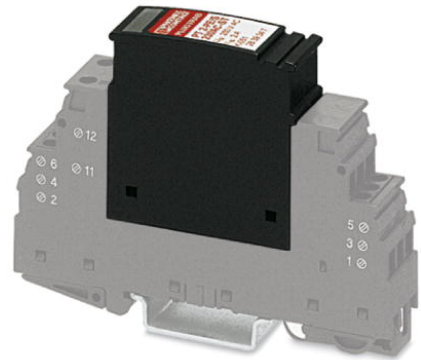


PT 2-PE/S-230AC-ST

Order No.: 2839347



Type 3 arrester replacement connector (device protection) for 1-phase power supply networks with separate N and PE (5-conductor system: L1, N, PE).



Commercial data	
EAN	4017918182540
Pack	10 pcs.
Customs tariff	85363090
Weight/Piece	0.02603 KG
Catalog page information	Page 40 (TT-2007)

Product notes

WEEE/RoHS-compliant since:
05/10/2006



Technical data	
Standards	
Housing material	PA 6.6
Inflammability class acc. to UL 94	V0
Color	black

Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1: 1992-10
Surge voltage category	III
Pollution degree	2
Degree of protection	IP20
Design	Plug component
Mounting type	On base element
Number of positions	2
Ambient temperature (operation)	-40 °C ... 85 °C
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE
Width	17.70 mm
Height	52.00 mm
Length	45.00 mm
Pitch unit	1 Div.
Protective circuit	
IEC category	III
	T3
EN type	T3
Nominal voltage U_N	230 V AC
Arrester rated voltage U_C	253 V AC
Nominal frequency f_N	50 Hz
	60 Hz
Nominal current I_N	26 A (30°C)
Operating effective current I_C at U_C	≤ 1.5 mA
Discharge current to PE at U_C	≤ 2.5 μ A
Nominal discharge surge current I_n (8/20) μ s	3 kA
Max. discharge surge current I_{max} (8/20) μ s	10 kA
100% lightning impulse sparkover voltage (1.2/50) μ s	≤ 1.1 kV
Combined surge U_{oc}	6 kV
Energy absorption symmetrical	170 J
Energy absorption, asymmetrical	85 J
Protection level U_p (L-N)	≤ 1.1 kV

Protection level U_p (L-PE)	≤ 1.5 kV
Protection level U_p (N-PE)	≤ 1.5 kV
Residual voltage at In, (L-N)	≤ 1.1 kV
Residual voltage at In, (L-PE)	≤ 600 V
Residual voltage at In, (N-PE)	≤ 600 V
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)
	25 A (MCB 25 A B/C)
Short circuit resistance I_{CC} with max. backup fuse (effective)	1.5 kA
Message surge protection faulty	Optical

Connection, protective circuit

Standards/regulations	IEC 61643-1
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Certificates / Approvals



Certification

CB, CCA, CSA, CUL, GOST, KEMA, OEVE, UL

Certification Ex:

CUL-EX, UL-EX

CUL

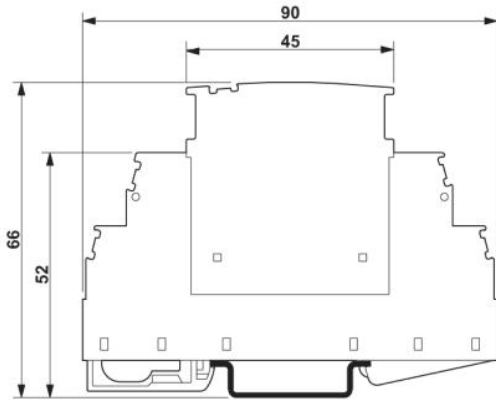
Nominal voltage U_N	230 V
Nominal current I_N	20 A

UL

Nominal voltage U_N	230 V
Nominal current I_N	20 A

Drawings

Dimensioned drawing



The figure shows the complete module consisting of a base element and connector

Circuit diagram

