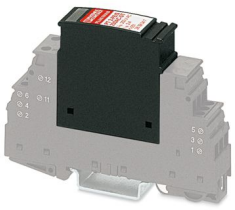
PT 2-PE/S- 24AC-ST - Type 3 surge protection plug

2839318

https://www.phoenixcontact.com/gb/products/2839318

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The figure shows version PT 2-PE/S-230AC-ST

Protective plug PT with surge voltage equipment protection for power supply units, visual error warning. Nominal voltage: 24 V AC

Commercial data

Item number	2839318
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	CL1411
GTIN	4017918182519
Weight per piece (including packing)	26.45 g
Weight per piece (excluding packing)	22.633 g
Country of origin	DE

Technical data

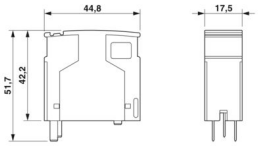
Notes

Notes on operation	Not suitable for systems with grounded positive pole

Product properties

Product type	Device protection
Product family	PLUGTRAB PT
IEC power supply system	TT
	TN-S
Type	Male
Number of positions	2
Surge protection fault message	optical
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
IEC test classification	III
	T3
EN type	T3

Dimensions

Dimensional drawing	
Width	17.7 mm
Height	45 mm
Depth	52 mm
Horizontal pitch	1 HP
Complete module width	17.7 mm
Complete module height	90 mm
Complete module depth	65.5 mm

Material specifications

Flammability rating according to UL 94	V0
Housing material	PA 6.6

Protective circuit

Direction of action	1L-N & N-PE
Nominal frequency f_N	50 Hz
	60 Hz
Maximum continuous operating voltage U_C	34 V AC
	44 V DC
Nominal current I_N	26 A (30 °C)

Rated load current I_L	26 A (30 °C)
Protective conductor current I_{PE}	≤ 1 µA
Standby power consumption P_C	≤ 60 mVA
Operating effective current I_C at U_C	≤ 1.5 mA
Nominal discharge current I_n (8/20) µs	1 kA
Voltage protection level U_p (L-N)	≤ 180 V
Voltage protection level U_p (L-PE)	≤ 550 V
Voltage protection level U_p (N-PE)	≤ 550 V
Residual voltage at In	≤ 180 V
	≤ 120 V
	≤ 120 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 current rating I_P with max. backup fuse (r.m.s.)	1.5 kA

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C (non-Ex)
	-40 °C ... 80 °C (Class I Div. 2 Gr. A, B, C, D)

Standards and regulations

Standards

Standards/regulations	IEC 61643-1
	EN 61643-11/A11
	UL 1449

Air clearances and creepage distances

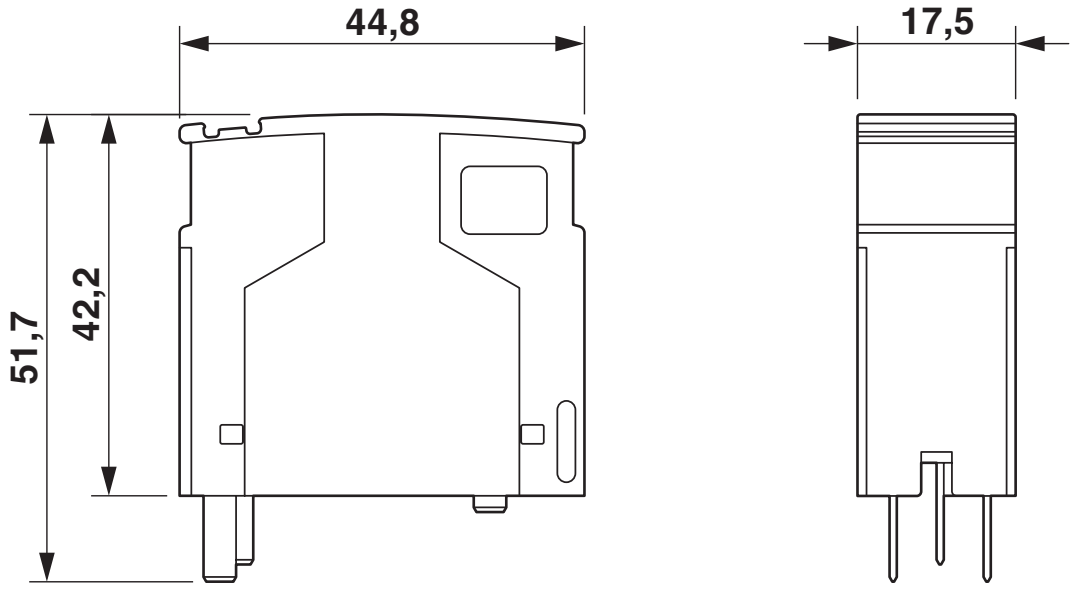
Standards/regulations	DIN VDE 0110-1 / IEC 60664-1
Standards/specifications	IEC 61643-1
Note	2005
Standards/specifications	EN 61643-11/A11
Note	2007
Standards/specifications	UL 1449
Note	ed. 2

Mounting

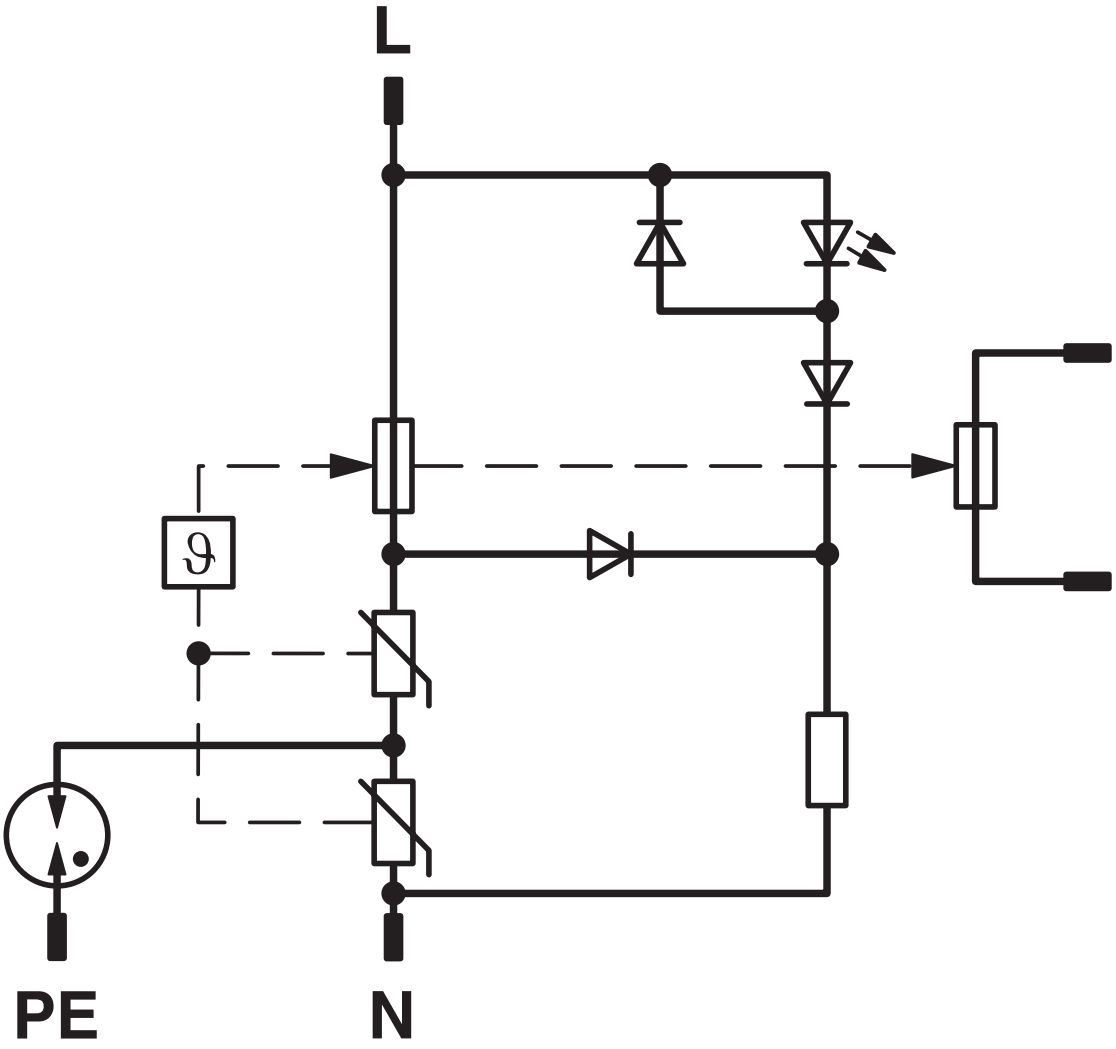
Mounting type	on base element

Drawings

Dimensional drawing



Circuit diagram



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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