Type 3 surge protection plug - PT 4-PE/S-230AC-ST - 2882462

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Type 3 arrester replacement plug (device protection) for 3-phase power supply networks with separate N and PE (5-conductor system: L1, L2, L3, N, PE).

Product Features

- Plugs can be checked with CHECKMASTER
- Tool-free plug replacement
- With floating remote indication contact
- Consists of base element and plug
- DIN rail module
- Optical signaling of disconnection via LED
- For single and multi-phase power supply units

Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	43.44 GRM
Custom tariff number	85369010
Country of origin	Germany

Technical data

Dimensions

Height	45 mm
Width	35.4 mm
Depth	52 mm
Horizontal pitch	2 Div.
Complete module height	90 mm
Complete module width	35.4 mm

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Technical data

Dimensions

Complete module depth	65.5 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 85 °C

General

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	DIN VDE 0110-1
	IEC 60664-1
Type	DIN rail module, two-section, divisible
Mounting type	On base element
Number of positions	4
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 3.2
Direction of action	3L-N & N-PE

Protective circuit

IEC test classification	III
	T3
EN type	T3
Nominal voltage U_N	230 V AC (L-N)
	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 (30 °C)
Residual current I_{PE}	≤ 2.5 µA
Nominal discharge current I_n (8/20) µs (L-N)	1.5 kA (per channel)
Nominal discharge current I_n (8/20) µs (L-PE)	1.5 kA (per channel)
Nominal discharge current I_n (8/20) µs (N-PE)	1.5 kA
Max. discharge current I_{max} (8/20) µs maximum (L-N)	4.5 kA (10 kA / N-PE)
Max. discharge current I_{max} (8/20) µs maximum (L-PE)	4.5 kA
Max. discharge current I_{max} (8/20) µs maximum (N-PE)	10 kA (N-PE)
Combination wave U_{OC}	4 kV

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Protective circuit

Voltage protection level U_p (L-N)	≤ 1.2 kV
Voltage protection level U_p (L-PE)	≤ 1.5 kV
Voltage protection level U_p (N-PE)	≤ 1.5 kV
Residual voltage at In, (L-N)	≤ 1.2 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)
	25 A (MCB B/C)
Short-circuit resistance I_P with max. backup fuse (effective)	1.5 kA
Surge protection fault message	Optical

Standards and Regulations

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

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130806
eCl@ss 7.0	27130806
eCl@ss 8.0	27130806

ETIM

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 5.0	EC000942

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610

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Classifications

UNSPSC

UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

KEMA-KEUR / ÖVE / GOST / IECEE CB Scheme / GL

Ex Approvals

Approvals submitted

Approval details

KEMA-KEUR

ÖVE

GOST

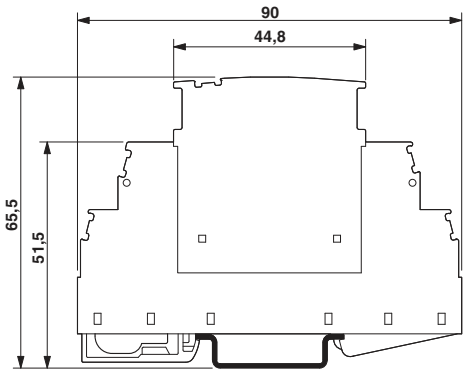
IECEE CB Scheme

GL

Drawings

Type 3 surge protection plug - PT 4-PE/S-230AC-ST - 2882462

Dimensioned drawing



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

Application photo

Figure may contain other products.