

Type 3 surge protection plug - PT 2-PE/S- 24AC-ST - 2839318

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

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

Product Features

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



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	26.45 GRM
Custom tariff number	85363090
Country of origin	Germany

Technical data

Dimensions

Height	45 mm
Width	17.7 mm
Depth	52 mm
Horizontal pitch	1 Div.

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Technical data

Dimensions

Complete module height	90 mm
Complete module width	17.7 mm
Complete module depth	65.5 mm

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)

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	2
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE

Protective circuit

IEC test classification	III
	T3
EN type	T3
Nominal voltage U_N	24 V AC
	24 V DC
Arrester rated voltage U_C	34 V AC
	44 V DC
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
Standby power consumption P_C	≤ 60 mVA
Residual current I_{PE}	≤ 1 μ A
Nominal discharge current I_n (8/20) μ s	1 kA
Combination wave U_{OC}	2 kV
Voltage protection level U_p (L-N)	≤ 180 V

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Technical data

Protective circuit

Voltage protection level U_p (L-PE)	≤ 550 V
Voltage protection level U_p (N-PE)	≤ 550 V
Residual voltage at I_n , (L-N)	≤ 180 V
Residual voltage at I_n , (L-PE)	≤ 120 V
Residual voltage at I_n , (N-PE)	≤ 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 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	27130805

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

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Classifications

UNSPSC

UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

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UL Recognized / KEMA-KEUR / ÖVE / cUL Recognized / GOST / CSA / CCA / IECCEB Scheme / GL / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approvals submitted

Approval details

UL Recognized 

KEMA-KEUR 

ÖVE 

cUL Recognized 

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Approvals

GOST 

CSA

CCA

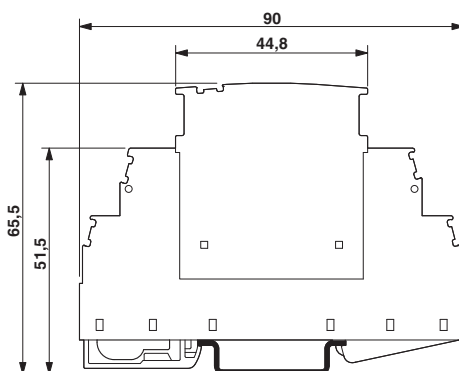
IECEE CB Scheme 

GL

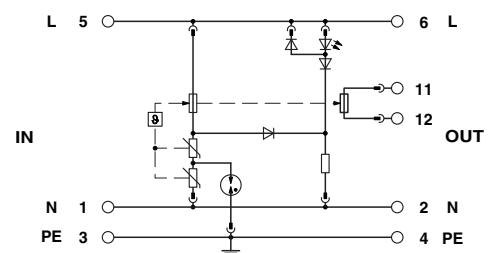
cULus Recognized 

Drawings

Dimensioned drawing



Circuit diagram



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