

Type 3 surge protection plug - PT 2-PE/S-120AC-ST - 2839334

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Protective plug PT with surge voltage equipment protection for power supply units, visual fault warning. Nominal voltage: 120 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
- ✓ DIN rail module
- ✓ Consists of base element and plug
- ✓ For single and multi-phase power supply units
- ✓ Optical signaling of disconnection via LED



Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	26.36 GRM
Custom tariff number	85363090
Country of origin	Germany

Technical data

Dimensions

Height	45 mm
Width	17.7 mm
Depth	52 mm
Pitch unit	1 Div.

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Technical data

Dimensions

Height	90 mm
Width	17.7 mm
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
Surge voltage category	III
Pollution degree	2
Design	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	120 V AC
Arrester rated voltage U_C	150 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	≤ 1.1 mA
Residual current I_{PE}	≤ 2 μ A
Nominal discharge current I_n (8/20) μ s	2.5 kA
	3 kA (in acc. with UL 1449)
Combined surge U_{OC}	6 kV
Voltage protection level U_p (L-N)	≤ 620 V

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Technical data

Protective circuit

Voltage protection level U_p (L-PE)	≤ 850 V
Voltage protection level U_p (N-PE)	≤ 850 V
Residual voltage at In, (L-N)	≤ 620 V
Residual voltage at In, (L-PE)	≤ 330 V
Residual voltage at In, (N-PE)	≤ 330 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, remote indicator contact

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

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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 / IECCE CB Scheme / 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 

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Accessories

Accessories

Device marking

Zack marker strip - ZBN 18:UNBEDRUCKT - 2809128



Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 18 mm, Lettering field: 18 x 5 mm

Labeled terminal marker

Zack Marker strip, flat - ZBF 5,LGS:FORTL.ZAHLEN - 0808671



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

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Accessories

Zack Marker strip, flat - ZBF 5,LGS:GERADE ZAHLEN - 0810821



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Zack Marker strip, flat - ZBF 5,QR:FORTL.ZAHLEN - 0808697



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Marker pen

Marker pen - X-PEN 0,35 - 0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

Terminal marking

Zack Marker strip, flat - ZBF 5:UNBEDRUCKT - 0808642



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.1 x 5.2 mm

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Accessories

Zack Marker strip, flat - ZBF 5/WH-100:UNBEDRUCKT - 0808668



Zack Marker strip, flat, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm

Required add-on products

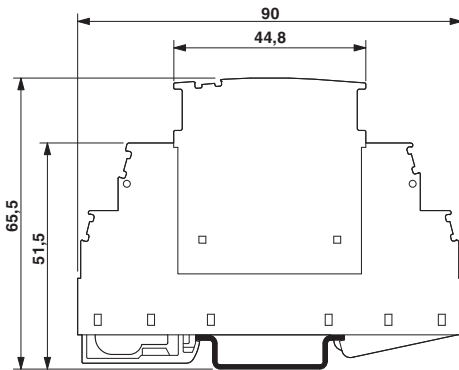
Type 3 surge protection base element - PT-BE/FM - 2839282



Base element for protective plug PT, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

Drawings

Dimensioned drawing



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

Circuit diagram

