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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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# Type 3 surge protection connector - PT 2-PE/S-230AC-ST - 2839347

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

## Why buy this product

- 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
- DIN rail module
- For single and multi-phase power supply units



## Key commercial data

Packing unit	1
Minimum order quantity	10
Catalog page	Page 52 (TT-2011)
GTIN	 4 017918 182540
Custom tariff number	85363090
Country of origin	GERMANY

## Technical data

### Standards

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black
Standards for air and creepage distances	DIN VDE 0110-1
Standards for air and creepage distances	IEC 60664-1
Surge voltage category	III
Pollution degree	2

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## Technical data

### Standards

Degree of protection	IP20
Design	Plug component
Mounting type	On base element
Number of positions	2
Ambient temperature (operation)	-40 °C ... 85 °C (non-EX)
Ambient temperature (operation)	-40 °C ... 80 °C (Class I Div. 2 Gr. A, B, C, D)
Arrester can be tested with CHECKMASTER from software version:	From SW rev. 1.00
Direction of action	1L-N & N-PE
Width	17.7 mm
Height	45 mm
Depth	52 mm
Pitch unit	1 Div.

### Protective circuit

IEC category	III
IEC category	T3
EN type	T3
Nominal voltage UN	230 V AC
Arrester rated voltage UC	253 V AC
Nominal frequency fN	50 Hz
Nominal frequency fN	60 Hz
Nominal current IN	26 A (30 °C)
Ground conductor current IPE	≤ 2.5 μA
Nominal discharge surge current In (8/20) μs	3 kA
Combined surge UOC	6 kV
Protection level UP (L-N)	≤ 1.1 kV
Protection level UP (L-PE)	≤ 1.5 kV
Protection level UP (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 tA (L-N)	≤ 25 ns
Response time tA (L-PE)	≤ 100 ns
Response time tA (N-PE)	≤ 100 ns
Max. required back-up fuse	25 A (gL)
Max. required back-up fuse	25 A (MCB 25 A B/C)
Short-circuit resistance IP with max. backup fuse (effective)	1.5 kA
Message: Surge protection fault	Optical

### Standards

Standard - Electrical safety	IEC 61643-1 2005
Standard - Electrical safety	EN 61643-11/A11 2007

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## Technical data

### Standards

Standard - Electrical safety	UL 1449 ed. 2
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## Classifications

### eclass

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

### etim

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942

### unspsc

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

## Approvals

### Approvals

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#### Approvals

UL Recognized / KEMA-KEUR / ÖVE / cUL Recognized / GOST / CSA / CCA / IECCE CB Scheme / cULus Recognized

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#### Ex Approvals

UL Recognized / cUL Recognized / cULus

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#### Approvals submitted

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### Approval details

# Type 3 surge protection connector - PT 2-PE/S-230AC-ST - 2839347

## Approvals

UL Recognized

KEMA-KEUR

ÖVE

cUL Recognized

GOST

CSA

CCA

IECEE CB Scheme

cULus Recognized

## Accessories

Accessories

Marking

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

## Type 3 surge protection connector - PT 2-PE/S-230AC-ST - 2839347

### Accessories

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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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

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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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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

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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

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# Type 3 surge protection connector - PT 2-PE/S-230AC-ST - 2839347

## Accessories

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

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

## Necessary add-on products

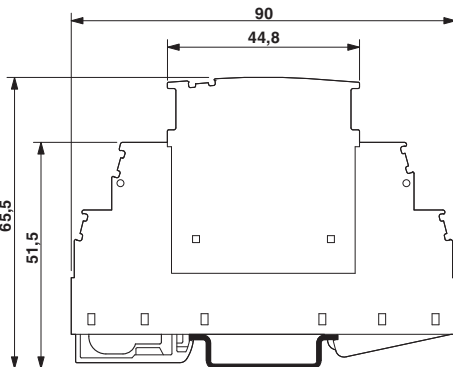
Type 3 surge protection base element - PT-BE/FM - 2839282



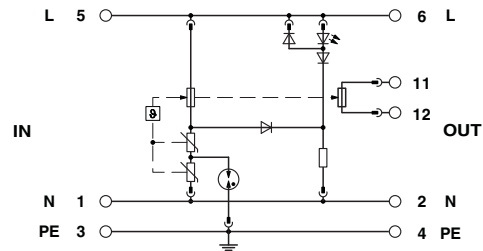
Base element for protective plug PT, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

## Drawings

### Dimensioned drawing



### Circuit diagram



The circuit diagram shows the complete module, consisting of a base element and connector

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

