

# 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


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## 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

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

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

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

# 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

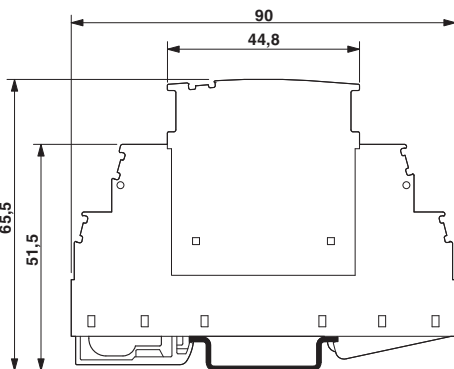
Type 3 surge protection base element - PT-BE/FM - 2839282



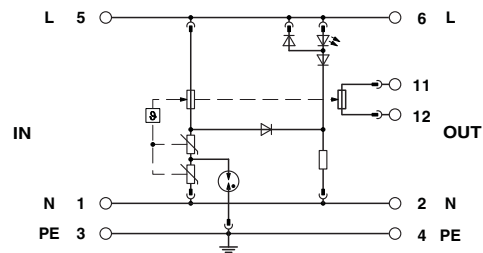
Base element for protective plug PT, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

## 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



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