

Type 3 surge protection connector - 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

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



Key commercial data

| | |
|------------------------|---|
| Packing unit | 1 |
| Minimum order quantity | 10 |
| Catalog page | Page 52 (TT-2011) |
| GTIN |  4 017918 182519 |
| 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 |
| Degree of protection | IP20 |
| Design | DIN rail module, two-section, divisible |

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Technical data

Standards

| | |
|--|--|
| 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 | 24 V AC |
| Nominal voltage UN | 24 V DC |
| Arrester rated voltage UC | 34 V AC |
| Arrester rated voltage UC | 44 V DC |
| Nominal frequency fN | 50 Hz |
| Nominal frequency fN | 60 Hz |
| Nominal current IN | 26 A (30 °C) |
| Operating effective current IC at UC | ≤ 1.5 mA |
| Ground conductor current IPE | ≤ 1 µA |
| Nominal discharge surge current In (8/20) µs | 1 kA |
| Combined surge UOC | 2 kV |
| Protection level UP (L-N) | ≤ 180 V |
| Protection level UP (L-PE) | ≤ 550 V |
| Protection level UP (N-PE) | ≤ 550 V |
| Residual voltage at In, (L-N) | ≤ 180 V |
| Residual voltage at In, (L-PE) | ≤ 120 V |
| Residual voltage at In, (N-PE) | ≤ 120 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 |
|------------------------------|---------------|

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

Approvals

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

Ex Approvals

UL Recognized / cUL Recognized / cULus

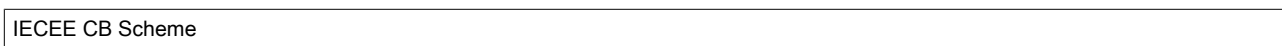
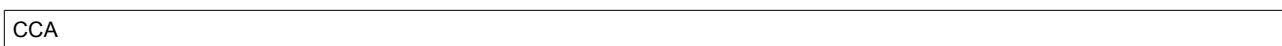
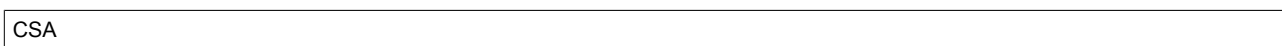
Approvals submitted

Approval details

| |
|---|
| UL Recognized  |
|---|

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Approvals



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

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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

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

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Accessories

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

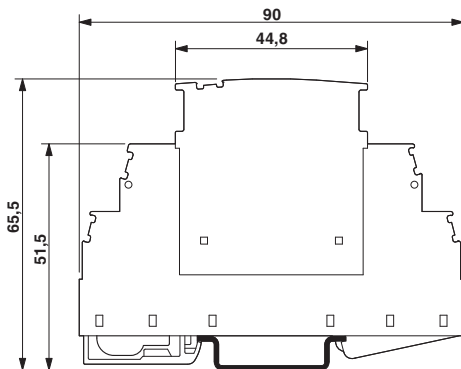
Type 3 surge protection base element - PT-BE/FM - 2839282



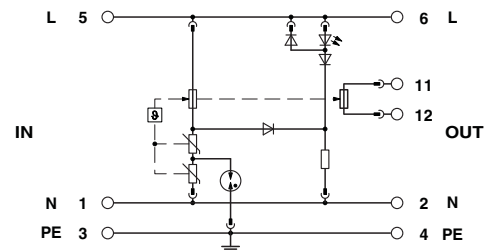
Base element for protective plug PT, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

Drawings

Dimensioned drawing



Circuit diagram



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