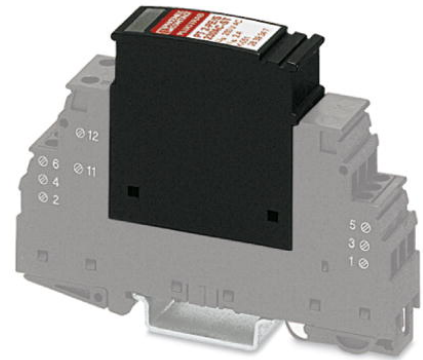


PT 2-PE/S-120AC-ST

Order No.: 2839334


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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2839334>

Protective plug PT with surge voltage equipment protection for power supply units, visual fault warning. Nominal voltage: 120 V AC



| Commercial data | |
|--------------------------|---|
| GTIN (EAN) | 4 017918 182533  |
| sales group | J030 |
| Pack | 10 pcs. |
| Customs tariff | 85363090 |
| Catalog page information | Page 52 (TT-2011) |

Product notes

WEEE/RoHS-compliant since:
06/02/2006



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

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 |
| | IEC 60664-1: 1992-10 |
| Surge voltage category | III |
| Pollution degree | 2 |
| Degree of protection | IP20 |
| Design | DIN rail module, two-section, divisible |
| Mounting type | On base element |
| Number of positions | 2 |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Arrester can be tested with CHECKMASTER from software version: | From SW rev. 1.00 |
| Direction of action | 1L-N & N-PE |
| Width | 17.70 mm |
| Height | 52.00 mm |
| Length | 45.00 mm |
| Pitch unit | 1 Div. |
| Protective circuit | |
| IEC category | 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 |
| Ground conductor current I_{PE} | ≤ 2 μ A |
| Nominal discharge surge current I_n (8/20) μ s | 2.5 kA |
| Combined surge U_{OC} | 6 kV |
| Protection level U_P (L-N) | ≤ 620 V |
| Protection level U_P (L-PE) | ≤ 850 V |
| Protection level U_P (N-PE) | ≤ 850 V |
| Residual voltage at I_n , (L-N) | ≤ 620 V |
| Residual voltage at I_n , (L-PE) | ≤ 330 V |
| Residual voltage at I_n , (N-PE) | ≤ 330 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) 25 A (MCB 25 A B/C) |
| Short-circuit resistance I _p with max. backup fuse (effective) | 1.5 kA |
| Message: Surge protection fault | Optical, remote indicator contact |

Standards

| | |
|------------------------------|----------------------|
| Standard - Electrical safety | IEC 61643-1 2005 |
| | EN 61643-11/A11 2007 |
| | UL 1449 ed. 2 |

Certificates / Approvals



Certification CB, CCA, CSA-COMP, CUL, GOST, KEMA, OEVE, UL

Certification Ex: CUL-EX, UL-EX

Accessories

| Item | Designation | Description |
|----------------|-------------------------|---|
| Marking | | |
| 0811228 | X-PEN 0,35 | Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm |
| 0814717 | ZBF 15:SO/CMS | Zack Marker strip, flat, white |
| 0808671 | ZBF 5,LGS:FORTL.ZAHLEN | 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 |
| 0810821 | ZBF 5,LGS:GERADE ZAHLEN | 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 |

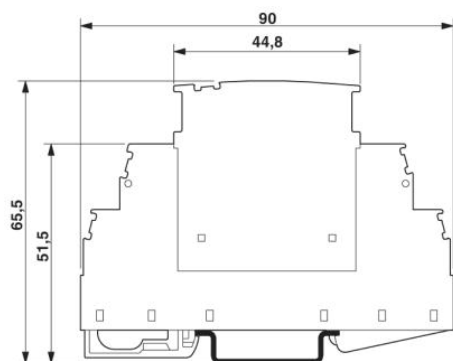
| | | |
|---------|---------------------------|--|
| 0810863 | ZBF 5,LGS:UNGERADE ZAHLEN | Zack Marker strip, flat, Strip, white, Labeled, Printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm |
| 0808697 | ZBF 5,QR:FORTL.ZAHLEN | 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 |
| 0808668 | ZBF 5/WH-100:UNBEDRUCKT | 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 |
| 0808642 | ZBF 5:UNBEDRUCKT | 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 |
| 0800763 | ZBN 18:SO/CMS | Zack marker strip, white, For terminal block width: 18 mm |
| 2809128 | ZBN 18:UNBEDRUCKT | 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 |

Additional products

| Item | Designation | Description |
|----------------|-------------|---|
| General | | |
| 2839282 | PT-BE/FM | Base element for protective plug PT, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm |

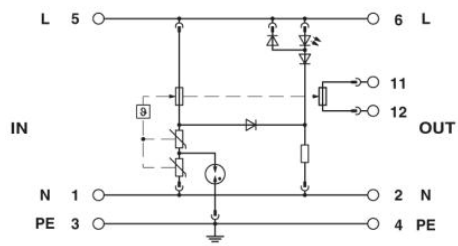
Diagrams/Drawings

Dimensioned drawing



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

Circuit diagram



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