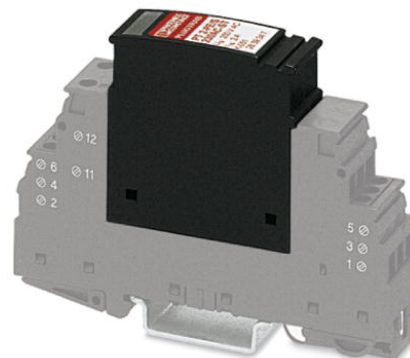


PT 2-PE/S- 24AC-ST

Order No.: 2839318

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



Protective plug PT with surge voltage equipment protection for power supply units, visual fault warning. Nominal voltage: 24 V AC



Commercial data

EAN	 4 017918 182519
Pack	10
Customs tariff	85363090
Gross weight in pieces	22.63 g
Country of Origin	DE
Catalog page information	Page 52 (TT-2011)

Product notes

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



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 at <http://www.download.phoenixcontact.com>. 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
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 (non-EX)
	-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
	T3
EN type	T3
Nominal voltage U_N	24 V AC
	24 V DC
Arrester rated voltage U_C	34 V AC
	44 V DC
Nominal frequency f_N	50 Hz
	60 Hz
Nominal current I_N	26 A (30 °C)
Operating effective current I_C at U_C	≤ 1.5 mA
Ground conductor current I_{PE}	≤ 1 μ A
Nominal discharge surge current I_n (8/20) μ s	1 kA
Combined surge U_{OC}	2 kV
Protection level U_P (L-N)	≤ 180 V
Protection level U_P (L-PE)	≤ 550 V
Protection level U_P (N-PE)	≤ 550 V
Residual voltage at I_n , (L-N)	≤ 180 V
Residual voltage at I_n , (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)
	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

Standards

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

Certificates



Certification CB, CCA, CSA-COMP, CUL, DEKRA NL, GL, GOST, OEVE, UL

Certification Ex: CUL-EX, UL-EX

Certifications applied for:

Accessories

Item	Designation	Description
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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

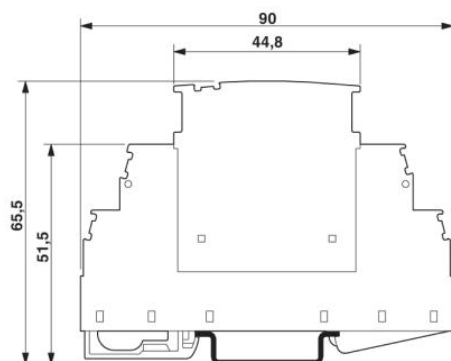
0810821	ZBF 5,LGS:GERADE ZAHLEN	Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 2 - 20, 22 - 40, etc. up to 82 - 100, Mounting type: Snap into flat marker groove, For terminal block width: 5 mm, Lettering field: 5.15 x 5.15 mm
0810863	ZBF 5,LGS:UNGERADE ZAHLEN	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
0808707	ZBF 5:SO/CMS	Zack Marker strip, flat, white, For terminal block width: 5 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

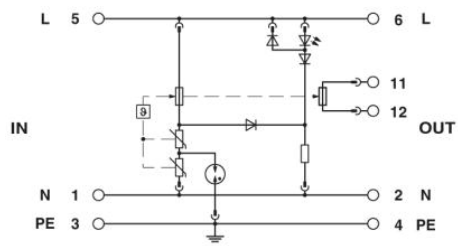
Drawings

Dimensioned drawing



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

Circuit diagram



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