

2839224

https://www.phoenixcontact.com/us/products/2839224

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Base element for protective plug PT with protective circuit for two 2-wire floating signal circuit, gas-filled surge arrester between the connections 3-4 (GND) and 9-10, for mounting on NS 35/7. 5 and NS 35/15, housing width: 17.5 mm

Your advantages

- · Maximum ease of maintenance, thanks to the 2-piece design
- · Easy selection for all possible demands in MCR applications with a complete product portfolio
- · The signal is not influenced during maintenance work, thanks to the impedance-neutral insertion and removal of protective plugs

Commercial Data

Item number	2839224
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	CL21
Product Key	CL2111
Catalog Page	Page 123 (C-4-2019)
GTIN	4017918182762
Weight per Piece (including packing)	58.2 g
Weight per Piece (excluding packing)	58.2 g
Customs tariff number	85363010
Country of origin	DE



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Technical Data

Notes

General	In the base elements PT+F-BE, the connections 9/10 (GND) are linked to the mounting foot via a gas-filled surge
	arrester.

Product properties

Туре	Base element, DIN rail mounting
Product type	Base element
Product family	PLUGTRAB PT
Number of positions	4
Surge protection fault message	none
Wire pairs per module	2

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal voltage U _N	24 V AC
	24 V DC

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm ² 2.5 mm ²
Conductor cross section rigid	0.2 mm² 4 mm²
Conductor cross section AWG	24 12

Dimensions

Dimensional drawing	90 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777 - 1777
Width	17.7 mm
Height	90 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Material specifications

Color	Copper
Flammability rating according to UL 94	V-0



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Housing material	PA 6.6
chanical properties	
Mechanical data	
Open side panel	No
Open side panel	INO
otective circuit	
Direction of action	Signal Ground/Shield-Earth Ground
Maximum continuous voltage U _C	40 V DC
	28 V AC
Rated current	450 mA (45 °C)
Resistance per path	2.2 Ω ±10 %
Surge protection fault message	none
ourge protection radit message	
Max. required back-up fuse vironmental and real-life conditions	500 mA (T)
Max. required back-up fuse	500 mA (T)
Max. required back-up fuse vironmental and real-life conditions Ambient conditions	
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection	IP20
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection Ambient temperature (operation)	IP20 -40 °C 85 °C
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport)	IP20 -40 °C 85 °C -40 °C 85 °C
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude andards and regulations	IP20 -40 °C 85 °C -40 °C 85 °C
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude andards and regulations Air clearances and creepage distances	IP20 -40 °C 85 °C -40 °C 85 °C ≤ 2000 m (amsl)
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude andards and regulations Air clearances and creepage distances Standards/regulations	IP20 -40 °C 85 °C -40 °C 85 °C ≤ 2000 m (amsl)
Max. required back-up fuse vironmental and real-life conditions Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude andards and regulations Air clearances and creepage distances Standards/regulations Standards/specifications	IP20 -40 °C 85 °C -40 °C 85 °C ≤ 2000 m (amsl) VDE 0110-1 IEC 61643-21

DIN rail: 35 mm

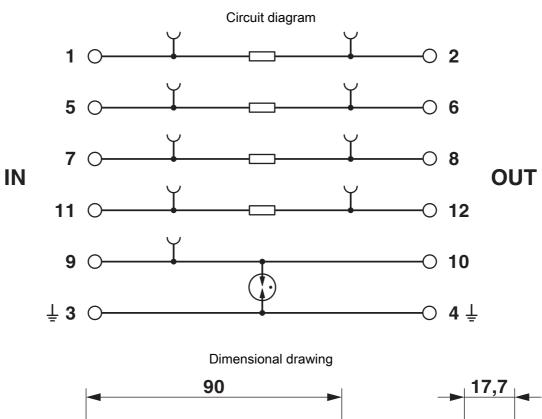
Mounting type

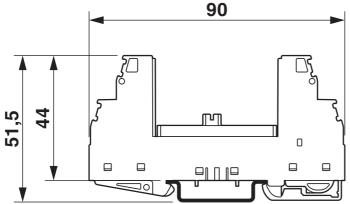


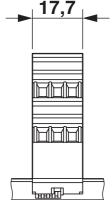
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Drawings



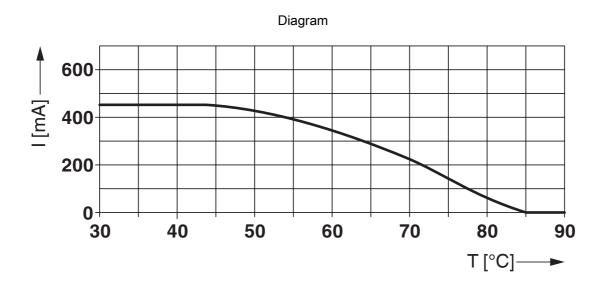






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Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2839224



EAC

Approval ID: EAC-Zulassung



DNV GL

Approval ID: TAE00001N6



EAC

Approval ID: RU C-DE.*09.B.00169



UL Listed

Approval ID: FILE E 138168



cUL Listed

Approval ID: FILE E 333250



UL Listed

Approval ID: FILE E 333250

cULus Listed



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Classifications

UNSPSC 21.0

ECLASS

	ECLASS-11.0	27130803		
	ECLASS-13.0	27171501		
ET	ETIM			
	ETIM 8.0	EC000472		
UN	SPSC			

39121600



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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values



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Accessories

SSA 5-10 - Shield connection

2839512

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Shield fast connection for 5 \dots 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

SSA 3-6 - Shield connection

2839295

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Shield fast connection for 3 \dots 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm 2 , color: black





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ZB 5 :UNBEDRUCKT - Zack marker strip

1050004

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Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.2 mm, lettering field size: 5.1 x 10.5 mm, Number of individual labels: 10

ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

https://www.phoenixcontact.com/us/products/0808642



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10



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ZB 5,8:UNBEDRUCKT - Zack marker strip

2715209

https://www.phoenixcontact.com/us/products/2715209



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5.8 mm, lettering field size: 5.75 x 10.5 mm, Number of individual labels: 10

X-PEN 0,35 - Marker pen

0811228

https://www.phoenixcontact.com/us/products/0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm



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B-STIFT - Marker pen

1051993

https://www.phoenixcontact.com/us/products/1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

PT 2X2- 5DC-ST - Surge protection plug

2838241

https://www.phoenixcontact.com/us/products/2838241



PT protective connector with protective circuit for two 2-wire floating signal circuits. 5 V DC nominal voltage. HART-compatible.



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PT 2X2-12AC-ST - Surge protection plug

2838270

https://www.phoenixcontact.com/us/products/2838270



Surge protection plug for the base element, for two floating double wires, common mode voltage coarse protection to ground. 12 V AC nominal voltage. HART-compatible.

PT 2X2-12DC-ST - Surge protection plug

2838254

https://www.phoenixcontact.com/us/products/2838254



PT protective connector with protective circuit for two 2-wire floating signal circuits. 12 V DC nominal voltage. HART-compatible.



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PT 2X2-24AC-ST - Surge protection plug

2838283

https://www.phoenixcontact.com/us/products/2838283



PT protective connector with protective circuit for two 2-wire floating signal circuits. 24 V AC nominal voltage. HART-compatible.

PT 2X2-24DC-ST - Surge protection plug

2838228

https://www.phoenixcontact.com/us/products/2838228



PT protective connector with protective circuit for two 2-wire floating signal circuits. 24 V DC nominal voltage. HART-compatible.



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PT 2X2-HF-12 DC-ST - Surge protection plug

2839570

https://www.phoenixcontact.com/us/products/2839570



Surge protection plug for the base element, normal mode voltage coarse and fine protection for two floating double wires in IT. Design: $12\ V\ DC$

PT 2X2-HF-24 DC-ST - Surge protection plug

2839729

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Protective plug PT with HF protective circuit for two 2-core floating signal circuits. Nominal voltage: $24\ V\ DC$



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PT 5-HF- 5 DC-ST - Surge protection plug

2838762

https://www.phoenixcontact.com/us/products/2838762



Protective plug PT with HF protective circuit for 4 signal wires. Nominal voltage: $5\ V\ DC$

PT 5-HF-12 DC-ST - Surge protection plug

2838775

https://www.phoenixcontact.com/us/products/2838775



Protective plug PT with HF protective circuit for 4 signal wires. Nominal voltage: 12 V DC

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