

S-PT1-2PE-24DC/P - Surge protection device



2818216

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Spare PCB for screw-in module for conduit systems, with two conductor protection for a 2-core floating signal circuit. Design: 24 V DC

Commercial data

Item number	2818216
Packing unit	10 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	CL02
Product key	CL2231
GTIN	4017918148409
Weight per piece (including packing)	28.15 g
Weight per piece (excluding packing)	18.692 g
Customs tariff number	85363010
Country of origin	DE

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Technical data

Notes

Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
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Product properties

Product type	Surge protection for MCR technology
Product family	SURGETRAB
Type	Screw-in module
Surge protection fault message	none

Electrical properties

Nominal voltage U_N	24 V DC
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Connection data

Connection method	Screw connection
Conductor cross-section flexible min.	0.14 mm ²
Conductor cross-section flexible max.	1.5 mm ²
Conductor cross-section, rigid min.	0.14 mm ²
Conductor cross-section, rigid max.	1.5 mm ²

Mechanical properties

Mechanical data

Open side panel	Yes
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Protective circuit

Direction of action	Line-Line & Line-Earth Ground
Nominal voltage U_N	24 V DC
Nominal current I_N	250 mA (25 °C)
Operating effective current I_C at U_C	≤ 5 μA
Nominal discharge current I_n (8/20) μs (line-line)	10 kA
Output voltage limitation at 1 kV/μs (line-line) spike	≤ 40 V
Output voltage limitation at 1 kV/μs (line-earth) spike	≤ 450 V
Voltage protection level U_p (line-line)	≤ 55 V
Voltage protection level U_p (line-earth)	≤ 550 V
Response time t_A (line-line)	≤ 1 ns
Response time t_A (line-earth)	≤ 100 ns
Resistance per path	10 Ω
Surge protection fault message	none

Environmental and real-life conditions

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Ambient conditions

Ambient temperature (operation)

-40 °C ... 65 °C

Mounting

Mounting type

Connection-specific intermediate plugging

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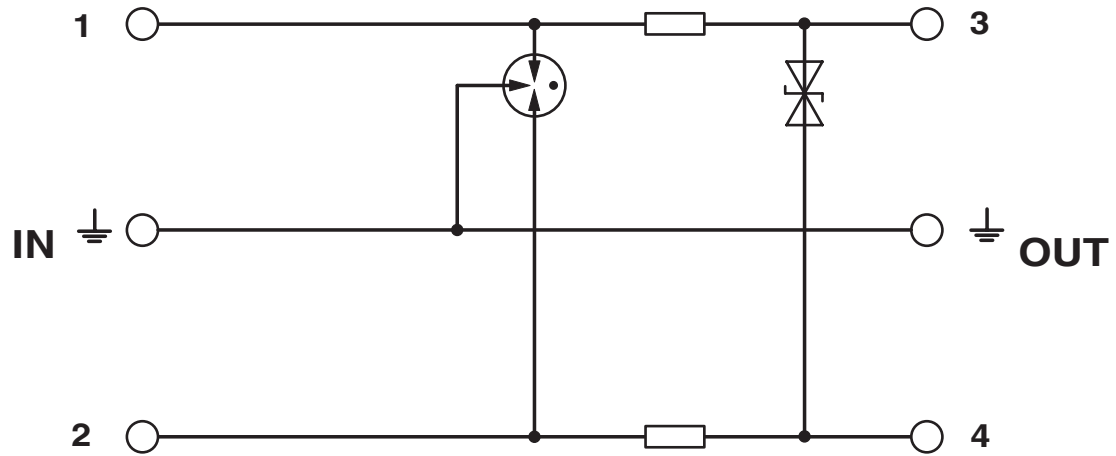


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Drawings

Circuit diagram



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Approvals

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UL Listed

Approval ID: FILE E 138168



cUL Listed

Approval ID: FILE E 333250



UL Listed

Approval ID: FILE E 333250

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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
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China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com