

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



Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 148409
Weight per Piece (excluding packing)	30.0 g
Custom tariff number	85363010
Country of origin	Germany

Technical data

Note

Trade restriction	The products are offered exclusively for export outside the EU and the European Economic Area.
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Ambient conditions

Ambient temperature (operation)	-40 °C ... 65 °C
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General

Mounting type	Connection-specific intermediate plugging
Type	Screw-in module
Direction of action	Line-Line & Line-Earth Ground

Protective circuit

Nominal voltage U_N	24 V DC
Nominal current I_N	250 mA (25 °C)

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Protective circuit

Operating effective current I_C at U_C	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs (Core-Core)	10 kA
Output voltage limitation at 1 kV/ μs (Core-Core) spike	$\leq 40 V$
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 450 V$
Voltage protection level U_p (core-core)	$\leq 55 V$
Voltage protection level U_p (core-ground)	$\leq 550 V$
Response time t_A (Core-Core)	$\leq 1 ns$
Response time t_A (Core-Earth)	$\leq 100 ns$
Resistance in series	10 Ω

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

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Classifications

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

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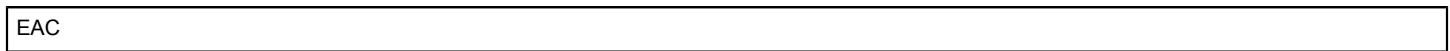
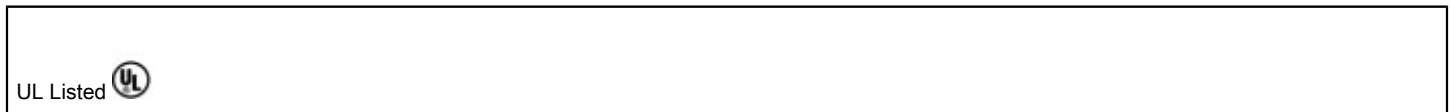
UL Listed / EAC

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approvals submitted

Approval details



Drawings

Circuit diagram

