

S-PT-1X2-24DC-1/2"

Order No.: 2882569

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2882569>

Surge protection in the IP67 screw-on module for measuring sensors, direct mounting with 1/2" NPT outer thread, cable screw connection for the signal cable, two-stage protective circuit.

Commercial data

GTIN (EAN)	 4 046356 091657
Note	Made-to-order
sales group	J330
Pack	1 pcs.
Customs tariff	85369010
Catalog page information	Page 252 (NTK-2006)

Product notes

WEEE/RoHS-compliant since:
05/31/2006



<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**General**

Housing material	Zinc die-cast, surface bronzed and nickel-plated
Color	silver
Standards for air and creepage distances	IEC 60664-1: 1992-10
	VDE 0110-1

Total surge current (8/20) μs	20 kA
Total surge current (10/350) μs	2 kA
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	Direct screw connection
Design	Screw-in module
Number of positions	3
Degree of protection	IP67
Direction of action	Line-Line & Line-Earth Ground
Width	34.00 mm
Height	148.00 mm
Length	34.00 mm

Protective circuit

IEC category	C1
	C2
	C3
	D1
Nominal voltage U_N	24 V DC
Maximum continuous operating voltage U_C	40 V DC
	28 V AC
Maximum continuous voltage U_C (wire-wire)	40 V DC
	28 V AC
Nominal current I_N	450 mA (55°C)
Operating effective current I_C at U_C	$\leq 10 \mu\text{A}$
Ground conductor current I_{PE}	$\leq 2 \mu\text{A}$
Nominal discharge surge current I_n (8/20) μs (Core-Core)	10 kA
Nominal discharge surge current I_n (8/20) μs (Core-Earth)	10 kA
Nominal discharge surge current I_n (8/20) μs (Shield-Earth)	10 kA (optional)
Total surge current (8/20) μs	20 kA
Max. discharge surge current I_{max} (8/20) μs maximum (Core-Core)	10 kA
Max. discharge surge current I_{max} (8/20) μs maximum (Core-Earth)	10 kA
Max. discharge surge current I_{max} (8/20) μs maximum (Shield-Earth)	10 kA

Nominal pulse current I_{an} (10/1000) μ s (Core-Core)	23 A
Nominal pulse current I_{an} (10/1000) μ s (Core-Earth)	100 A
Nominal pulse current I_{an} (10/1000) μ s (Shield-Earth)	100 A
Lightning test current (10/350) μ s, peak value I_{imp}	1 kA
Output voltage limitation at 1 kV/ μ s (Core-Core) spike	≤ 55 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 450 V (Direct grounding)
Output voltage limitation at 1 kV/ μ s (Shield-Earth) spike	≤ 600 V (optional)
Output voltage limitation at 1 kV/ μ s (Core-Core) static	≤ 55 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 450 V (Direct grounding)
Residual voltage at I_n , (conductor-conductor)	≤ 55 V
Residual voltage with I_{an} (10/1000) μ s (conductor-conductor)	≤ 65 V
Protection level U_p (Core-Core)	≤ 80 V (C2 -5 kA)
Protection level U_p (Core-Earth)	≤ 450 V (C2 -5 kA, direct grounding)
Protection level U_p (Shield-Earth)	≤ 600 V (C2 -5 kA optional)
Response time t_A (Core-Core)	≤ 1 ns
Response time t_A (Core-Earth)	≤ 100 ns
Response time t_A (Shield-Earth)	≤ 100 ns
Input attenuation aE, sym.	Typ. 0.5 dB (≤ 1.5 MHz / 50 Ω) Typ. 0.2 dB (≤ 300 kHz / 150 Ω)
Cut-off frequency f_g (3 dB), sym. in 50 Ohm system	Typ. 6 MHz
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	Typ. 2 MHz
Resistance in series	2.2 Ω
Max. required back-up fuse	500 mA (e.g. T in acc. with IEC 127-2/III)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C2 (10 kV/5 kA)
Surge carrying capacity in acc. with IEC 61643-21 (Shield-Earth)	C2 (10 kV/5 kA)

Connection data

Connection name	Input/output
Type of connection	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Connection line
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.6 Nm
Stripping length	6 mm
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded 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/kcmil min.	26
Conductor cross section AWG/kcmil max	16

Connection, protective circuit

Standards/regulations	IEC 61643-21
-----------------------	--------------

Certificates / Approvals

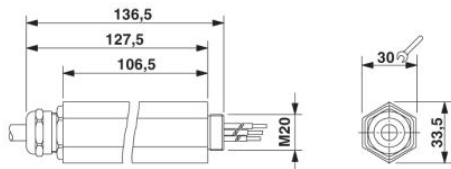


Certification

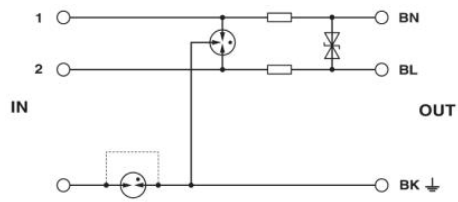
GOST

Diagrams/Drawings

Dimensioned drawing



Circuit diagram



Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact
Technical modifications reserved;

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9