

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Please be informed that the data shown in this PDF document is generated from our Online Catalog. Please find the complete data in the user documentation. Our General Terms of Use for Downloads are valid.



Wall-mounted NEMA 4/4X (IP66/67) polycarbonate enclosure with surge protection for 120 V AC/DC power and a divided compartment ready for additional Isolated Loop Protection.

Your advantages

- Eligible for limited lifetime warranty (in some U.S. markets)
- Polycarbonate and 316L stainless steel enclosures available
- UL 1449 Listed SPD

Commercial Data

Item number	2908682
Packing unit	1 pc
Sales Key	CL20
Product Key	CL1481
GTIN	4055626321462
Weight per Piece (including packing)	222.222 g
Weight per Piece (excluding packing)	222.222 g
Country of origin	DE

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Set consists of

PLT-SEC-T3-120-FM-UT - Type 3 surge protection device

2907918

<https://www.phoenixcontact.com/us/products/2907918>



Type 2/3 surge protection, consisting of protective plug and base element, with integrated status indicator and remote signaling for single-phase power supply networks. Nominal voltage: 120 V AC/DC

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Technical Data

Product properties

Type	DIN rail module, two-section, divisible
Product type	Device protection
Surge protection fault message	optical
EN type	T2 / T3
Number of ports	One

Electrical properties

Nominal voltage U_N	120 V AC (Power)
-----------------------	------------------

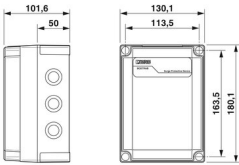
Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact

Connection data

Screw thread	M3
Tightening torque, min	0.5 Nm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section, rigid min.	0.2 mm ²
Conductor cross section, rigid max.	4 mm ²
Connection method	Screw connection
Screw thread	M3

Dimensions

Dimensional drawing	
Width	130 mm
Height	180 mm
Depth	120 mm

Material specifications

Housing material	PC (polycarbonate)
------------------	--------------------

Protective circuit

Power supplies

Direction of action	L/N-PE & Signal Line-Shield-Earth Ground
Nominal voltage U_N	120 V AC (TN-S)

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

	120 V AC (TT)
Information technology	
Max. operating voltage U_{max}	150 V AC (Power)
Max. discharge current I_{max} (8/20) μ s	10 kA (Power)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP66 / NEMA 4X
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	\leq 6000 mm (operating voltage remote contact \leq 150 V)
Permissible humidity (operation)	5 % ... 95 %

Approvals

UL specifications

Maximum continuous operating voltage MCOV	150 V AC/DC
Short-circuit current rating (SCCR)	10 kA
Voltage protection rating VPR (L-N)	700 V
Voltage protection rating VPR (L-G)	1000 V
Voltage protection rating VPR (N-G)	900 V
Voltage protection rating VPR (DC+) - (DC-)	700 V
Voltage protection rating VPR (DC+) - G	1000 V
Voltage protection rating VPR (DC-) - G	900 V
UL type	type 2
Nominal discharge current I_n	5 kA
Maximum Circuit Breaker	25 A
Maximum Surge Current per Phase	20 A

Mounting

Mounting type	Wall mounting
---------------	---------------

BXT-4XP-SEC-T3-120-FM - Surge protection device

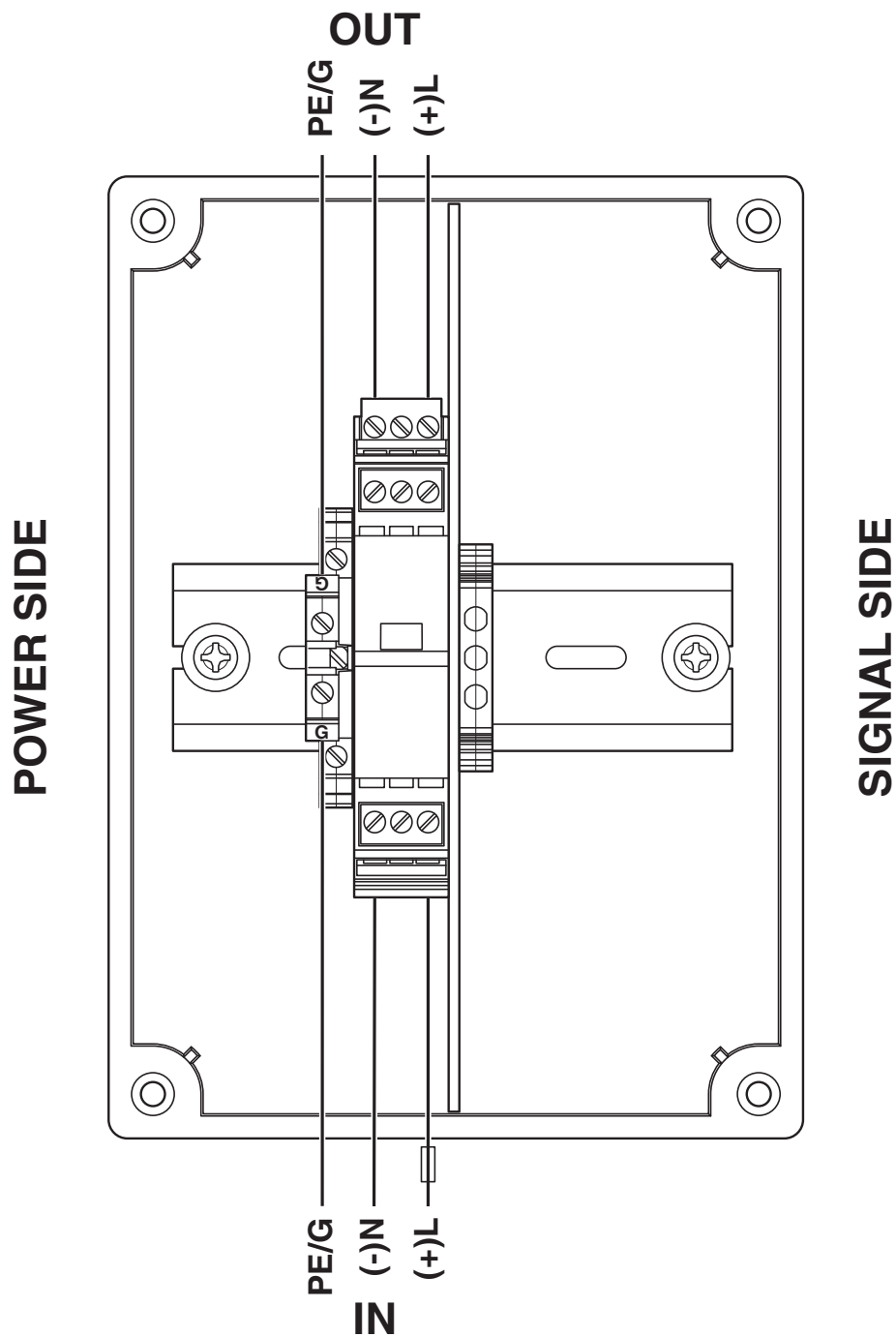
2908682

<https://www.phoenixcontact.com/us/products/2908682>



Drawings

Connection diagram



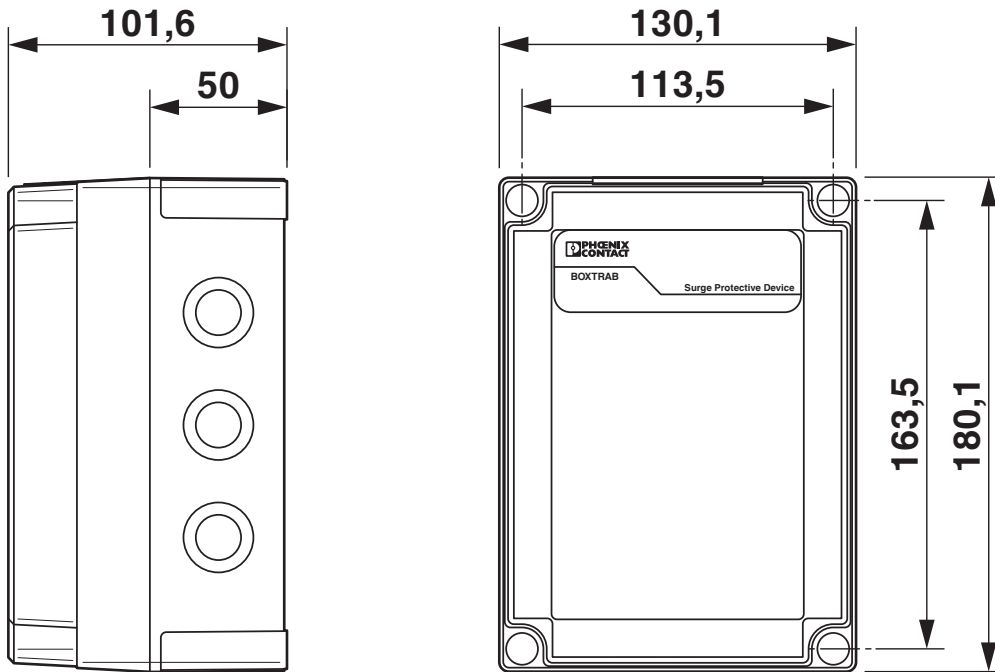
BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Dimensional drawing



BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Approvals



UL Listed

Approval ID: FILE E 330181



cUL Listed

Approval ID: FILE E 330181

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Classifications

ECLASS

ECLASS-11.0	27130805
-------------	----------

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
	4-Nonylphenol, branched and linear
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

Accessories

G-INS-M16-T68N-PNES-LG - Cable gland

1424470

<https://www.phoenixcontact.com/us/products/1424470>



Cable gland, material for screw connection: PA, external cable diameter 4 mm ...
8 mm, shielding: no, connecting thread: M16 x 1.5, color: lightgrey RAL 7035

G-INS-M20-M68N-PNES-LG - Cable gland

1424471

<https://www.phoenixcontact.com/us/products/1424471>



Cable gland, material for screw connection: PA, external cable diameter 10 mm .
.. 14 mm, shielding: no, connecting thread: M20 x 1.5, color: lightgrey RAL 7035

BXT-4XP-SEC-T3-120-FM - Surge protection device

2908682

<https://www.phoenixcontact.com/us/products/2908682>

G-INS-M25-L68N-PNES-LG - Cable gland

1424472

<https://www.phoenixcontact.com/us/products/1424472>



Cable gland, material for screw connection: PA, external cable diameter 13 mm .
.. 18 mm, shielding: no, connecting thread: M25 x 1.5, color: lightgrey RAL 7035

G-INS-M32-L68N-PNES-LG - Cable gland

1424473

<https://www.phoenixcontact.com/us/products/1424473>



Cable gland, material for screw connection: PA, external cable diameter 18 mm .
.. 25 mm, shielding: no, connecting thread: M32 x 1.5, color: lightgrey RAL 7035

BXT-4XP-SEC-T3-120-FM - Surge protection device



2908682

<https://www.phoenixcontact.com/us/products/2908682>

PLT-SEC-T3-120-P-UT/PT - Type 3 surge protection plug

2907922

<https://www.phoenixcontact.com/us/products/2907922>



Replacement plug for type 2/3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 120 V.

Phoenix Contact 2023 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com