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

2908682

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

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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
- Customizable: expand base unit with SPDs to suit your application

Commercial data

Item number	2908682
Packing unit	1 pc
Minimum order quantity	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

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

Technical data

Product properties

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

Electrical properties

Nominal voltage U_N	120 V AC (Power)

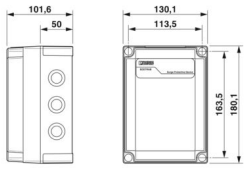
Indicator/remote signaling

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 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section, rigid min.	0.2 mm²
Conductor cross section, rigid max.	4 mm²
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)

	120 V AC (TT)

Information technology

Max. operating voltage U_{max}	150 V AC (Power)
Max. discharge current I_{max} (8/20) µs	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	≤ 6000 mm (operating voltage remote contact ≤ 150 V)
Permissible humidity (operation)	5 % ... 95 %

Approvals

UL specifications

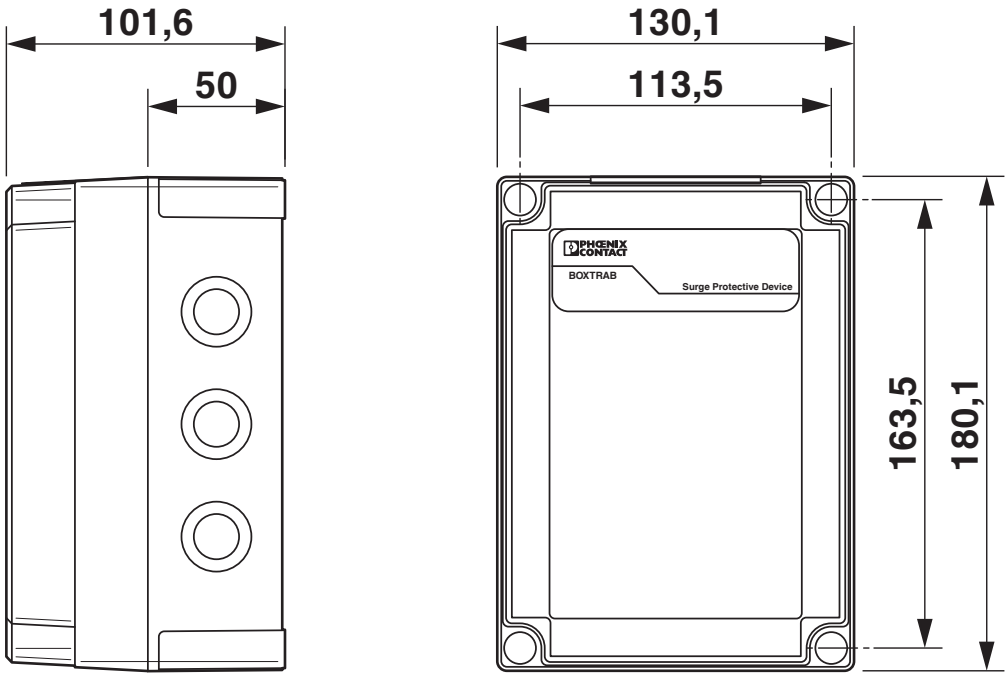
Maximum continuous operating voltage MCOV	150 V AC/DC
Short-circuit current rating (SCCR)	10 kA
Voltage protection rating VPR (L-N)	700 V
Voltage protection rating VPR (L-G)	1000 V
Voltage protection rating VPR (N-G)	900 V
Voltage protection rating VPR (DC+) - (DC-)	700 V
Voltage protection rating VPR (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	25.00 A
Maximum Surge Current per Phase	20 A

Mounting

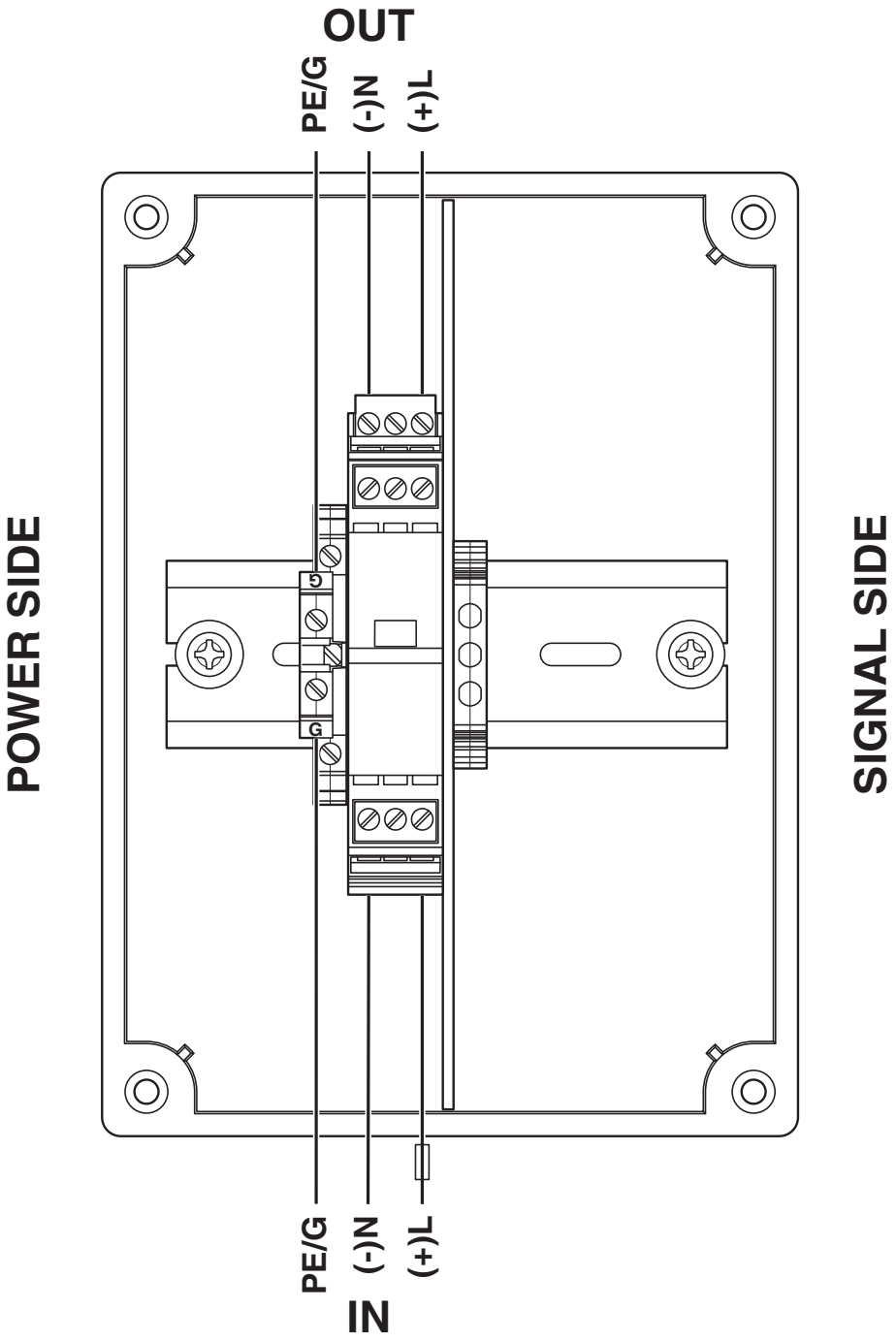
Mounting type	Wall mounting

Drawings

Dimensional drawing



Connection diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2908682

UL Listed
Approval ID: FILE E 330181

cUL Listed
Approval ID: FILE E 330181

cULus Listed

Classifications

ECLASS

ECLASS-11.0	27130805
ECLASS-13.0	27171203

ETIM

ETIM 8.0	EC000942

Environmental product compliance

EU RoHS

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

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.)	No substance above 0.1 wt%

Accessories

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

1424470

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



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

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

1424472

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



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

SZS 0,6X3,5 VDE - Screwdriver

1212602

https://www.phoenixcontact.com/us/products/1212602



Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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.

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