

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



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

Commercial Data

Item number	2908682
Packing unit	1 pc
Note	Made to Order (non-returnable)
Sales Key	C06
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

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Set consists of

Type 3 surge protection device

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

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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

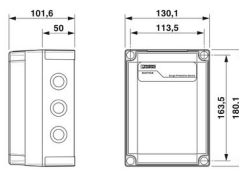
Electrical properties

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 solid min.	0.2 mm ²
Conductor cross section solid 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)
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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

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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 %

Approval data

UL specifications

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
Maximum Circuit Breaker	25 A
Maximum Surge Current per Phase	20 A

Mounting

Mounting type	Wall mounting
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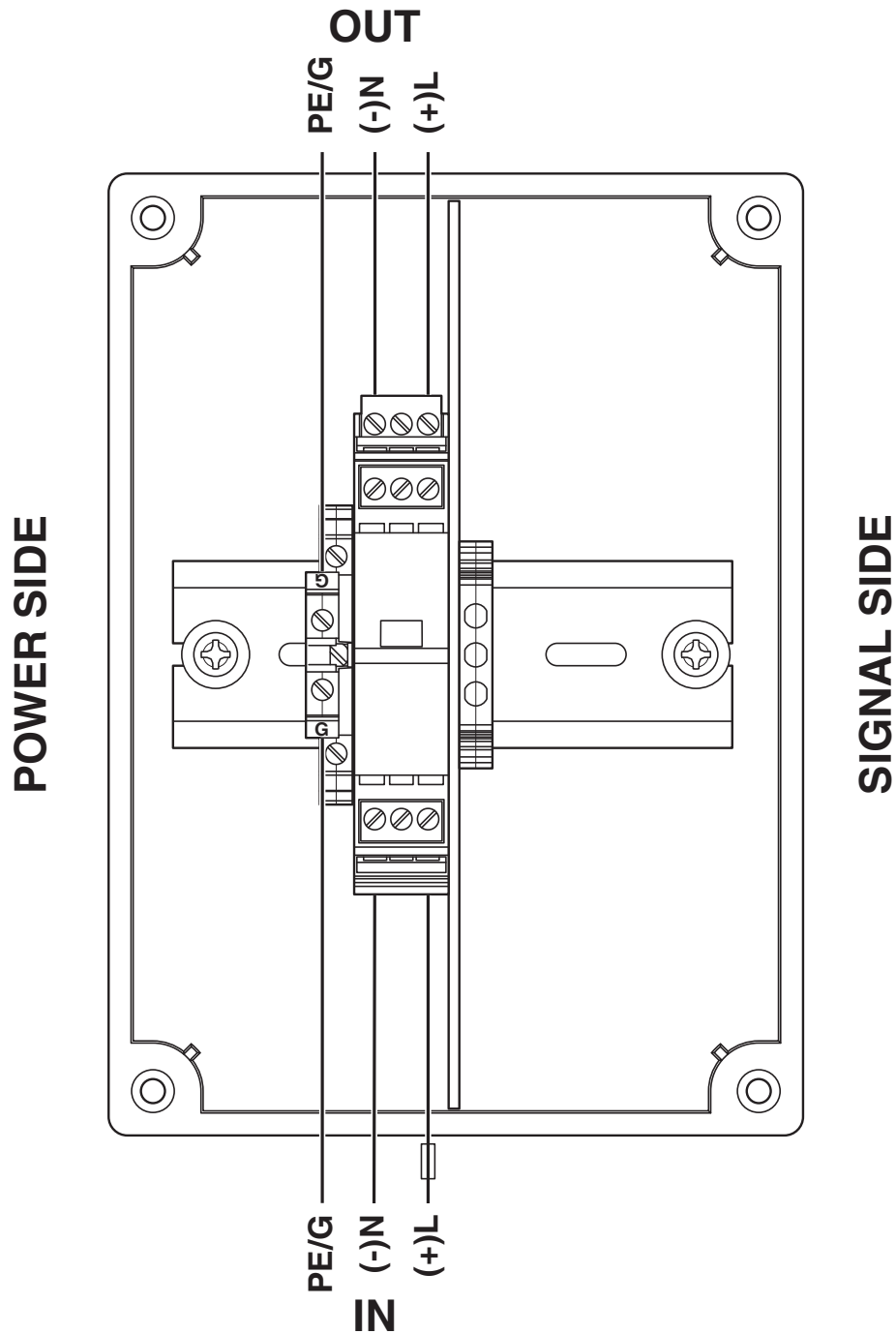
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Drawings

Connection diagram



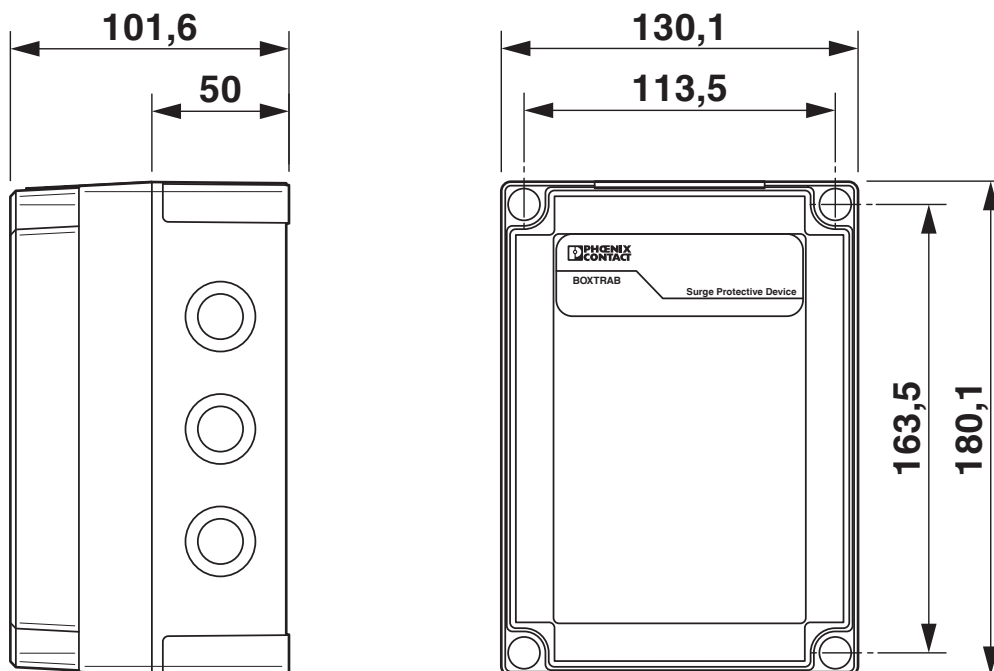
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Dimensional drawing



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Approvals



UL Listed

Approval ID: FILE E 330181



cUL Listed

Approval ID: FILE E 330181

cULus Listed

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Classifications

ECLASS

ECLASS-9.0	27130805
ECLASS-10.0.1	27130805
ECLASS-11.0	27130805
ECLASS-12.0	27171202

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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"

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Accessories

Cable gland

Cable gland - G-INS-M16-T68N-PNES-LG - 1424470

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



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

Cable gland

Cable gland - G-INS-M20-M68N-PNES-LG - 1424471

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

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Cable gland

Cable gland - G-INS-M25-L68N-PNES-LG - 1424472

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

Cable gland

Cable gland - G-INS-M32-L68N-PNES-LG - 1424473

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



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

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Type 3 surge protection plug

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