

BXT-4XP-SEC-T3-24-FM - Surge protection device



2908680

<https://www.phoenixcontact.com/us/products/2908680>

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Wall-mounted NEMA 4/4X (IP66/67) polycarbonate enclosure with surge protection for 24 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)
- Customizable: expand base unit with SPDs to suit your application
- Polycarbonate and 316L stainless steel enclosures available

Commercial data

Item number	2908680
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL20
Product key	CL1481
GTIN	4055626321448
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

PLT-SEC-T3-24-FM-UT - Type 3 surge protection device

2907916

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Type 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: 24 V AC/DC

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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

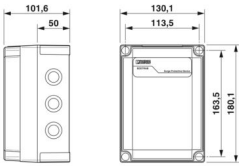
Electrical properties

Nominal voltage U_N	24 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)
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Protective circuit

Power supplies	
Direction of action	L/N-PE & Signal Line-Shield-Earth Ground
Nominal voltage U_N	24 V AC (TN-S)

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Information technology

Max. operating voltage $U_{\max}$	34 V AC (Power)
Max. discharge current $I_{\max}$ (8/20) μs	4 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 %

Mounting

Mounting type	Wall mounting
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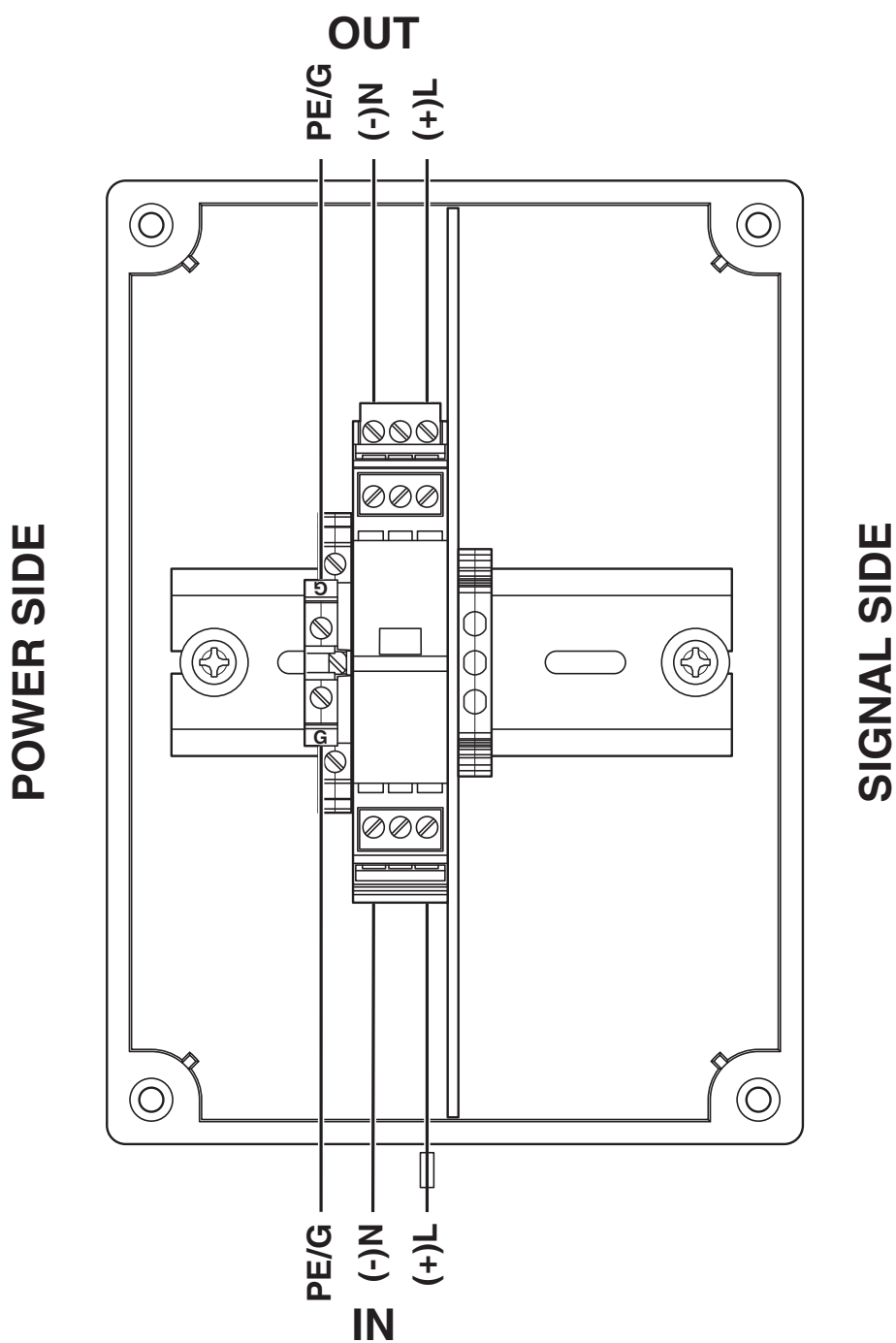
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Drawings

Connection diagram



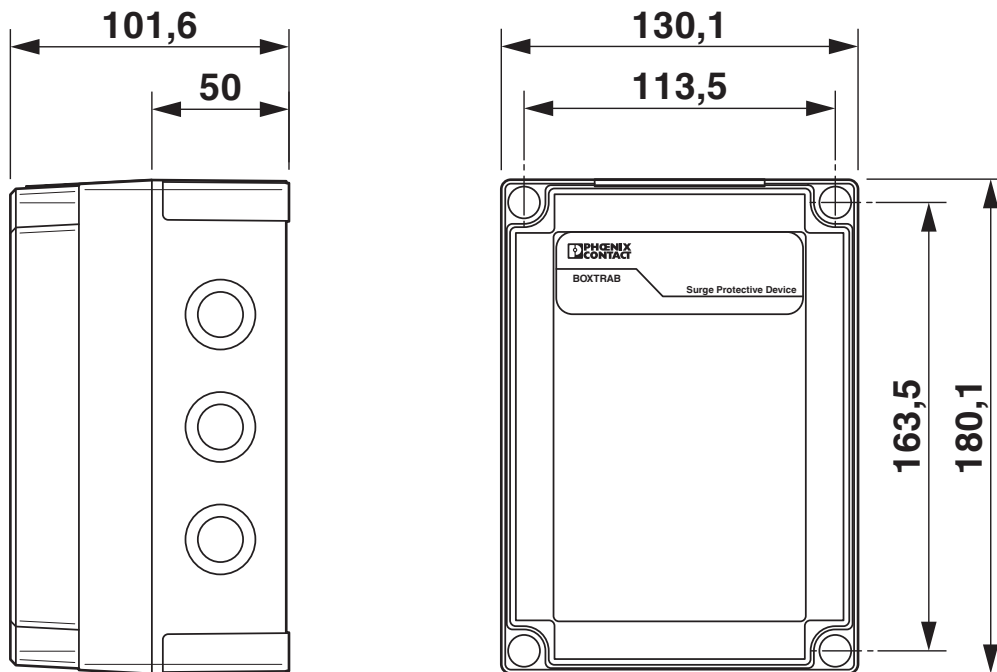
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Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908680>



UL Listed
Approval ID: FILE E 330181



cUL Listed
Approval ID: FILE E 330181

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27130805
ECLASS-13.0	27171203

ETIM

ETIM 8.0	EC000942
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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%

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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: lightgray 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: lightgray RAL 7035

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

1424472

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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: lightgray 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: lightgray RAL 7035

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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-T3-24-P-UT/PT - Type 3 surge protection plug

2907920

<https://www.phoenixcontact.com/us/products/2907920>



Replacement plug for type 3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 24 V.

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