

# 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)	760 g
Weight per piece (excluding packing)	648 g
Country of origin	DE

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## Set consists of

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

2907918

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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

### Notes

#### Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.
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### 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)
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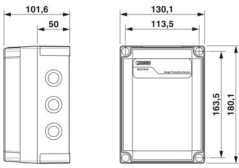
#### Indicator/remote signaling

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 <sup>2</sup>
Conductor cross-section flexible max.	2.5 mm <sup>2</sup>
Conductor cross-section, rigid min.	0.2 mm <sup>2</sup>
Conductor cross-section, rigid max.	4 mm <sup>2</sup>
Connection method	Screw connection
Screw thread	M3

### Dimensions

Dimensional drawing	
Width	130 mm
Height	180 mm
Depth	120 mm

### Material specifications

Housing material	PC
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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

Nominal voltage $U_N$	120 V AC (Power)
Max. operating voltage $U_{max}$	150 V AC (Power)
Nominal current $I_N$	20 A (Power)
Max. discharge current $I_{max}$ (8/20) $\mu$ 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	25.00 A
Maximum Surge Current per Phase	20 A

## Mounting

Mounting type	Panel mounting
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## Drawings

Dimensional drawing



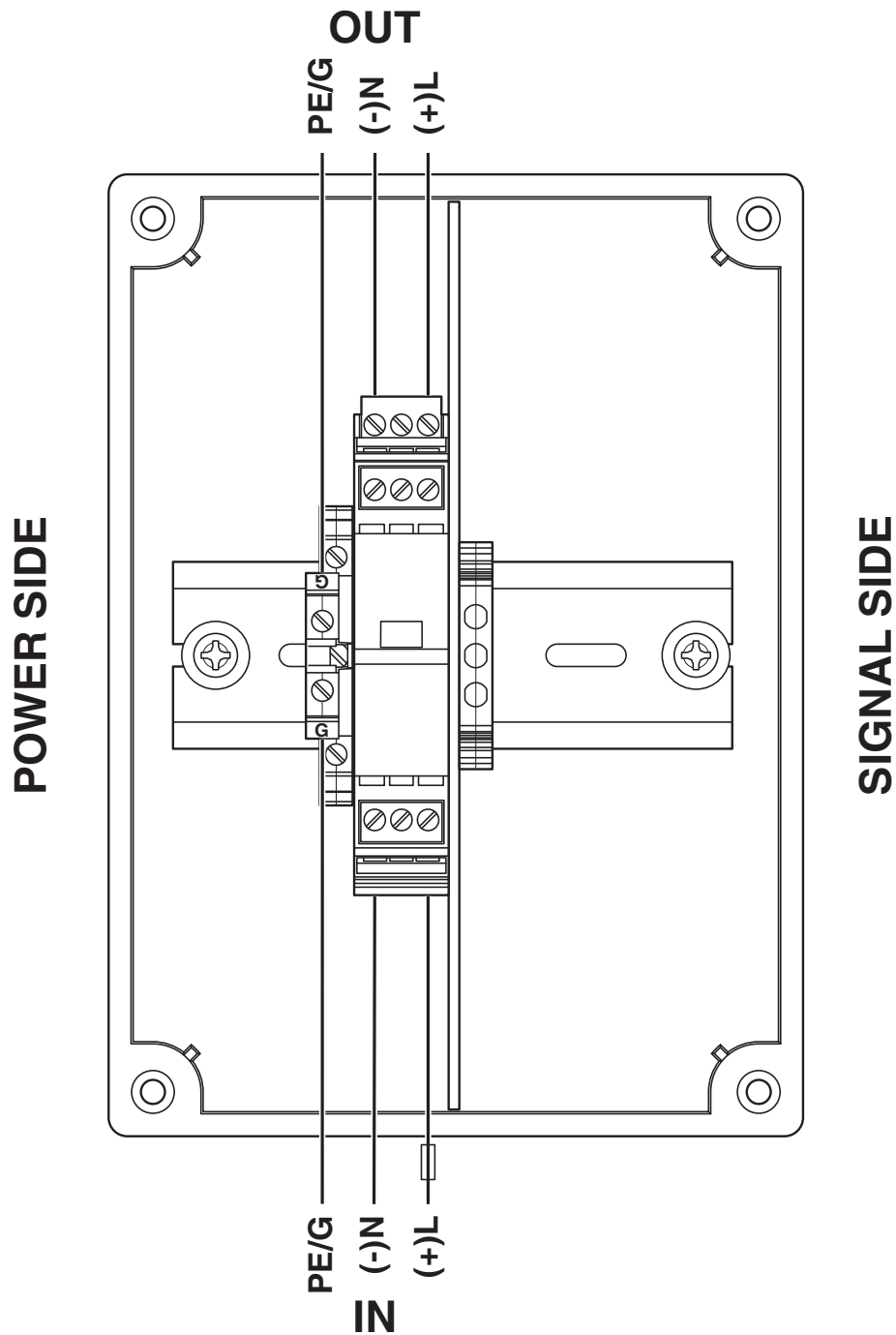
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Connection diagram



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## 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**

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## Classifications

### ECLASS

ECLASS-13.0	27171203
ECLASS-15.0	27171203

### ETIM

ETIM 10.0	EC000942
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## Environmental product compliance

### EU RoHS

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

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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