

BXT-4XS-SEC-T3-120+2X2-24 - Surge protection device



1191887

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Wall-mounted NEMA 4/4X (IP66) 316L stainless steel enclosure with surge protection for 120 V AC/DC power and two 24 V DC loops with 28 V DC MCOV

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
- UL 1449 Listed SPD
- Single solution for power, data, and signal in one enclosure

Commercial data

Item number	1191887
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL20
Product key	CL1481
GTIN	4063151243494
Weight per piece (including packing)	3,460 g
Weight per piece (excluding packing)	3.6 g
Country of origin	US

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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

PT 2X2-24DC-ST - Surge protection plug

2838228

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PT protective connector with protective circuit for two 2-wire floating signal circuits. 24 V DC nominal voltage. HART-compatible.

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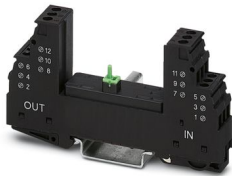
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PT 2X2+F-BE - Surge protection base-element

2839224

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Base element for protective plug PT with protective circuit for two 2-wire floating signal circuit, gas-filled surge arrester between the connections 3-4 (GND) and 9-10, for mounting on NS 35/7.5 and NS 35/15, housing width: 17.5 mm

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Technical data

Product properties

Product type	Surge protection for NEMA power supply units
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)
	24 V DC (Signal)

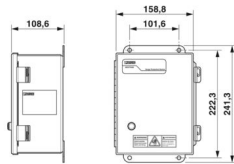
Indicator/remote signaling

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	152 mm
Height	203 mm
Depth	102 mm

Material specifications

Color	Steel/stainless steel color
Housing material	Stainless steel, 316L, electropolished

Protective circuit

Power supplies

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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)
	28 V DC (Signal)
Max. discharge current I_{max} (8/20) μ s	10 kA (Power)
Max. discharge current I_{max} (8/20) μ s maximum (line-line)	10 kA (Signal)
Max. discharge current I_{max} (8/20) μ s maximum (line-earth)	10 kA (Signal)
Resistance per path	2.2 Ω (Signal)

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	$\leq$ 2000 mm
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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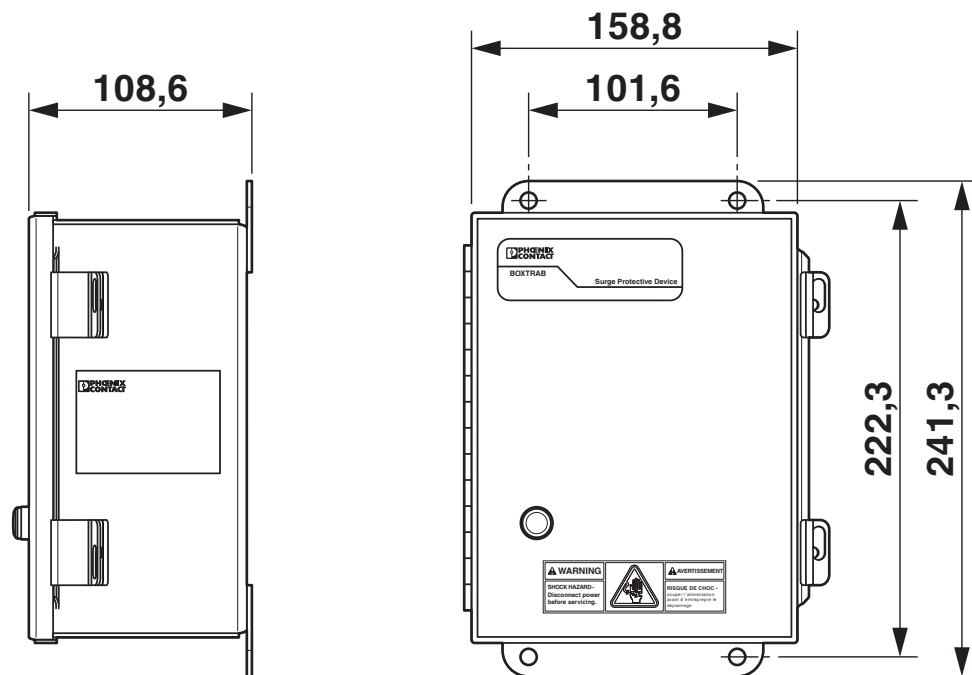


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Drawings

Dimensional drawing

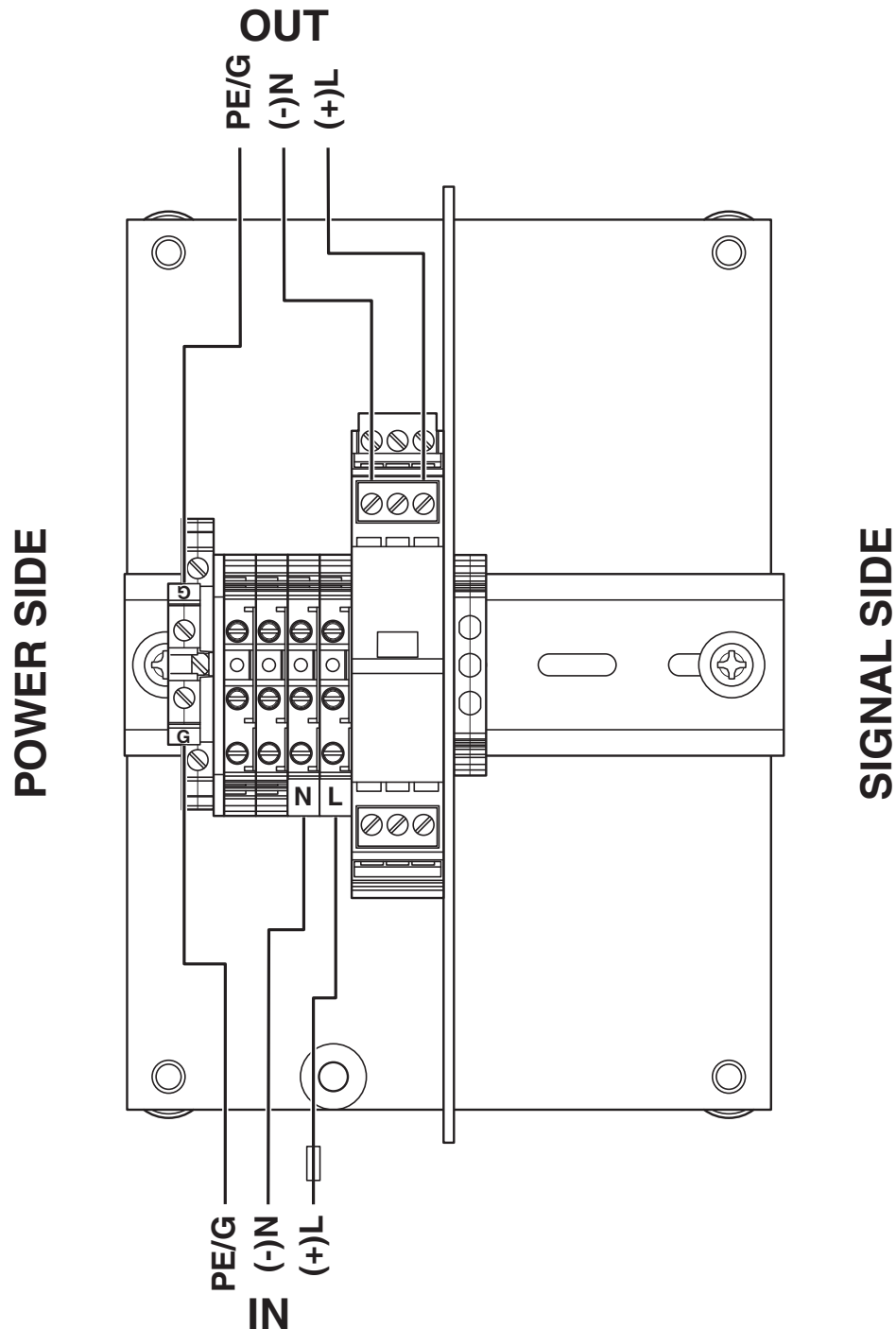


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Connection diagram



Connections for power protection only are shown. For signal protection connection, refer to included article datasheet. Signal and power protection may be bonded through DIN rail.

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Approvals

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UL Listed

Approval ID: FILE E 330181



cUL Listed

Approval ID: FILE E 330181

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Classifications

ECLASS

ECLASS-13.0	27171203
ECLASS-15.0	27171203

ETIM

ETIM 9.0	EC000942
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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