

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

1191887
<https://www.phoenixcontact.com/us/products/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)	3,360 g
Country of origin	US

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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

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

2838228

<https://www.phoenixcontact.com/us/products/2838228>



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

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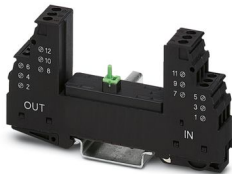
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PT 2X2+F-BE - Surge protection base-element

2839224

<https://www.phoenixcontact.com/us/products/2839224>



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)

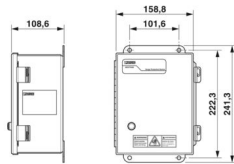
Indicator/remote signaling

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	Wall mounting
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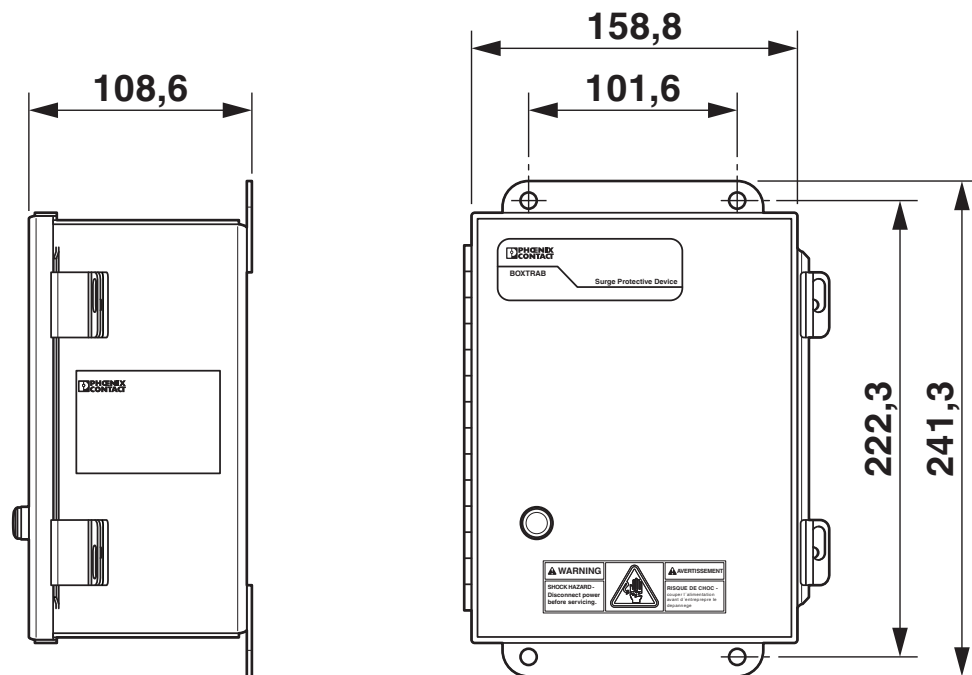


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Drawings

Dimensional drawing



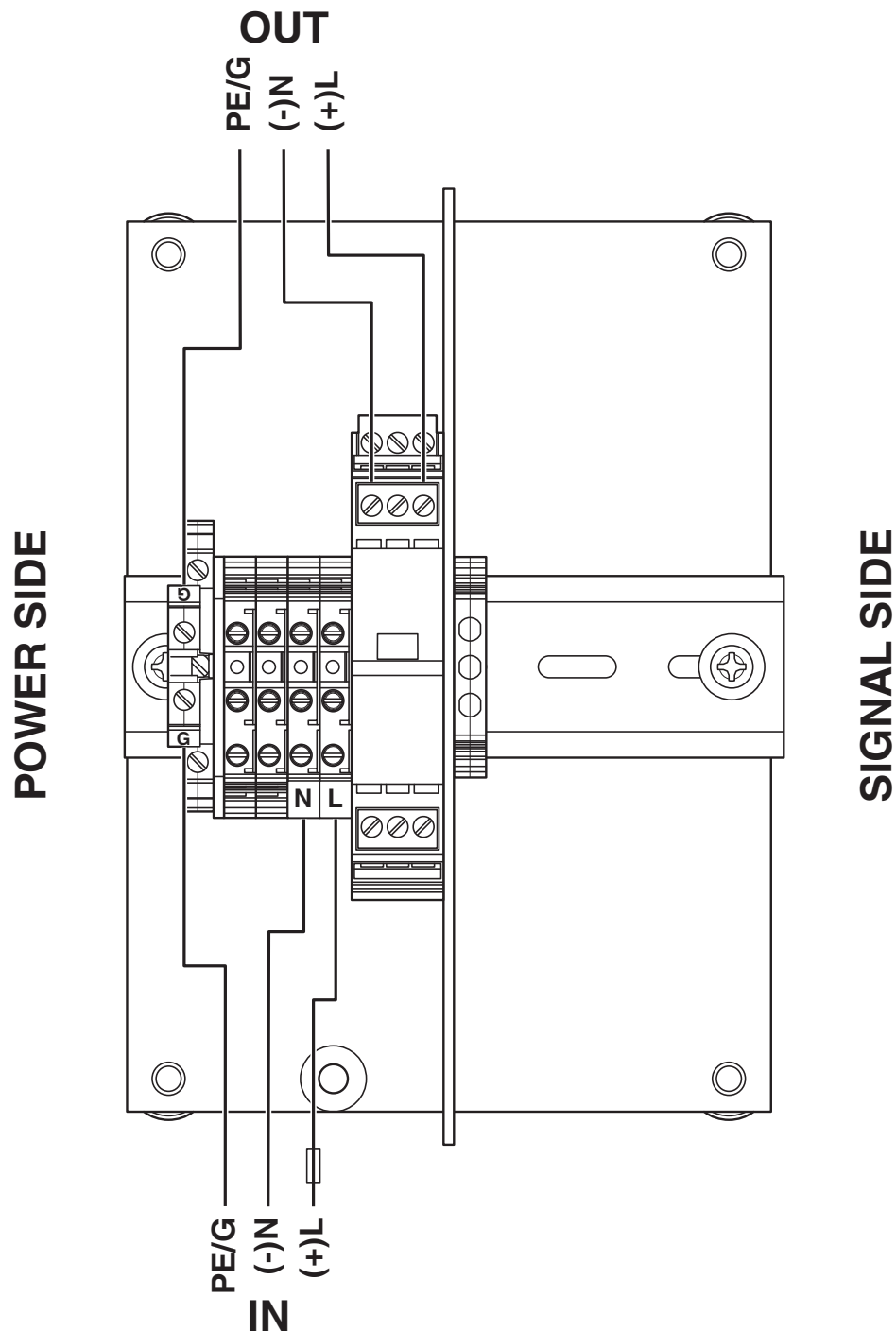
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Connection diagram



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Approvals

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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	27130810
ECLASS-13.0	27171203

ETIM

ETIM 9.0	EC000942
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I
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.)	Lead(CAS: 7439-92-1)

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Accessories

G-ESS-M20-S66L-STES-S - Cable gland

1411076

<https://www.phoenixcontact.com/us/products/1411076>



Cable gland, material for screw connection: Stainless steel 316L, application: Ex, external cable diameter 6.5 mm ... 14 mm, shielding: no, connecting thread: M20 x 1.5, color: silver

G-ESS-M25-M66L-STES-S - Cable gland

1411078

<https://www.phoenixcontact.com/us/products/1411078>



Cable gland, material for screw connection: Stainless steel 316L, application: Ex, external cable diameter 11.1 mm ... 20 mm, shielding: no, connecting thread: M25 x 1.5, color: silver

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G-ESS-M32-M66L-STES-S - Cable gland

1411080

<https://www.phoenixcontact.com/us/products/1411080>



Cable gland, material for screw connection: Stainless steel 316L, application: Ex, external cable diameter 17 mm ... 26.3 mm, shielding: no, connecting thread: M32 x 1.5, color: silver

G-ESS-M40-L66L-STES-S - Cable gland

1411082

<https://www.phoenixcontact.com/us/products/1411082>



Cable gland, material for screw connection: Stainless steel 316L, application: Ex, external cable diameter 23.5 mm ... 32.2 mm, shielding: no, connecting thread: M40 x 1.5, color: silver

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G-ESS-M50-L66L-STES-S - Cable gland

1411085

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Cable gland, material for screw connection: Stainless steel 316L, application: Ex, external cable diameter 35.6 mm ... 44.1 mm, shielding: no, connecting thread: M50 x 1.5, color: silver

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

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

2907922

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Replacement plug for type 2/3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 120 V.

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com