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)	3.6 g
Country of origin	US

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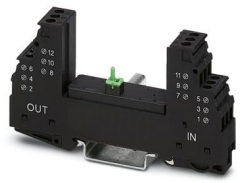
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PT 2X2+F-BE - Surge protection base-element

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

Technical data

Notes

Trade restriction

CE note	The products are offered exclusively for export outside the EU and the European Economic Area.

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)

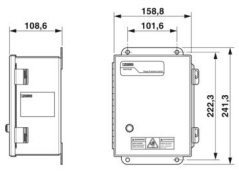
Indicator/remote signaling

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 mm²
Conductor cross-section flexible max.	2.5 mm²
Conductor cross-section, rigid min.	0.2 mm²
Conductor cross-section, rigid max.	4 mm²
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

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)
	24 V DC (Signal)
Max. operating voltage U_{max}	150 V AC (Power)
	28 V DC (Signal)
Nominal current I_N	20 A (Power)
	450 mA (Signal)
Max. discharge current I_{max} (8/20) µs	10 kA (Power)
Max. discharge current I_{max} (8/20) µs maximum (line-line)	10 kA (Signal)
Max. discharge current I_{max} (8/20) µs 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	≤ 2000 mm
Permissible humidity (operation)	5 % ... 95 %

Approvals

UL specifications

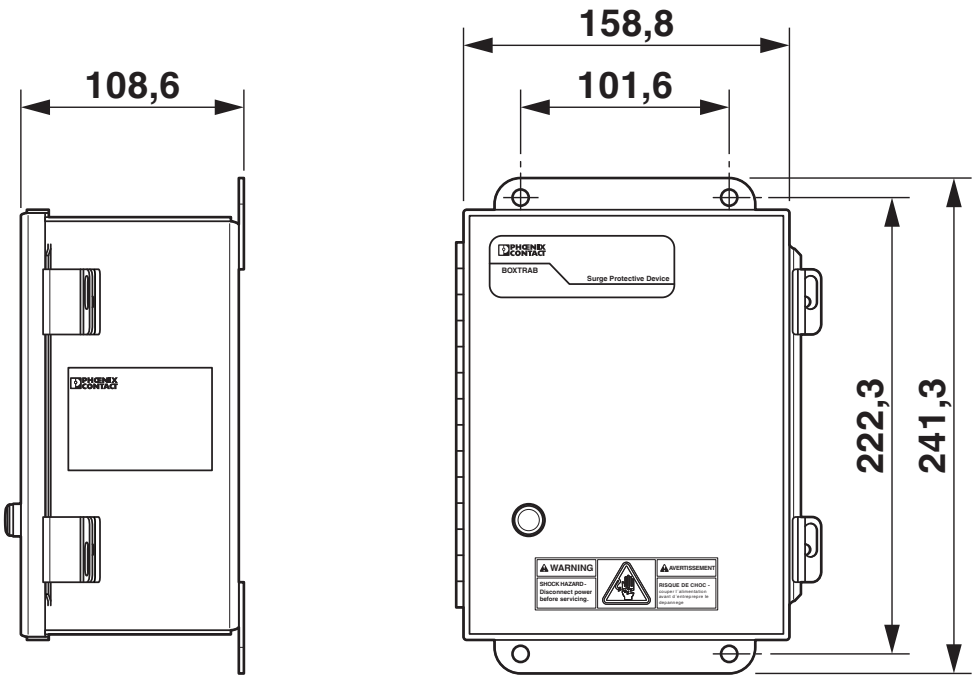
Maximum continuous operating voltage MCOV	150 V AC/DC
Short-circuit current rating (SCCR)	10 kA
Voltage protection rating VPR (L-N)	700 V
Voltage protection rating VPR (L-G)	1000 V
Voltage protection rating VPR (N-G)	900 V
Voltage protection rating VPR (DC+) - (DC-)	700 V
Voltage protection rating VPR (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

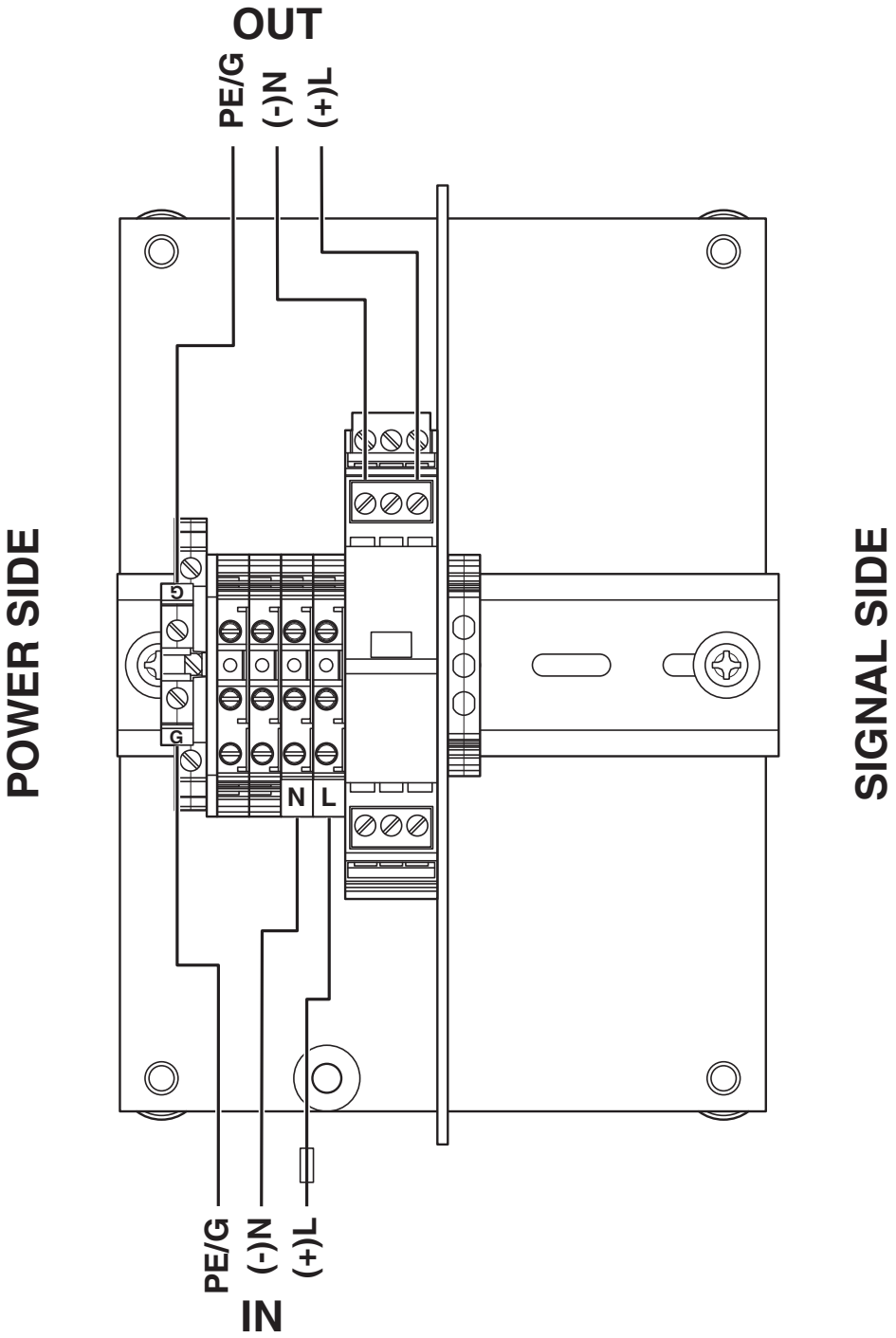
Mounting type	Panel mounting

Drawings

Dimensional drawing



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.

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1191887

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 9.0	EC000942

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.)	Lead(CAS: 7439-92-1)

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