

## Surge protection device - BXT-4XS-SEC-T3-120+2X2-24 - 1191887

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




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

- ✓ UL1449 Listed SPD
- ✓ Customizable: expand base unit with SPDs to suit your application
- ✓ Single solution for power, data, and signal in one enclosure
- ✓ Polycarbonate and 316L stainless steel enclosures available
- ✓ Eligible for limited lifetime warranty (in some U.S. markets)



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 063151 243494
GTIN	4063151243494
Weight per Piece (excluding packing)	3,460.000 g

### Technical data

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Degree of protection	IP66 / NEMA 4X

#### General

Housing material	Stainless steel, 316L, electropolished
Mounting type	Wall mounting

# Surge protection device - BXT-4XS-SEC-T3-120+2X2-24 - 1191887

## Technical data

### General

Type	DIN rail module, two-section, divisible
Direction of action	L/N-PE & Signal Line-Shield-Earth Ground

### Protective circuit, power supply

EN type	T2 / T3
Combination wave $U_{oc}$	6 kV
Surge protection fault message	optical

### Connection (protective circuit, power supply)

Connection method	Screw connection
Screw thread	M3
Stripping length	10 mm

### Remote indicator contact (protective circuit, power supply)

Connection name	Remote fault indicator contact
Switching function	Changeover contact
Connection method	Screw connection
Screw thread	M3
Stripping length	10 mm

### Protective circuit, 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) $\mu$ s	10 kA (Power)
Max. discharge current $I_{max}$ (8/20) $\mu$ s maximum (line-line)	10 kA (Signal)
Max. discharge current $I_{max}$ (8/20) $\mu$ s maximum (line-earth)	10 kA (Signal)
Resistance per path	2.2 $\Omega$ (Signal)

### Power supply, general

Connection method IN	Screw connection
Connection method OUT	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	10 mm
Conductor cross section flexible min.	0.2 mm <sup>2</sup>
Conductor cross section flexible max.	2.5 mm <sup>2</sup>

# Surge protection device - BXT-4XS-SEC-T3-120+2X2-24 - 1191887

## Technical data

### Power supply, general

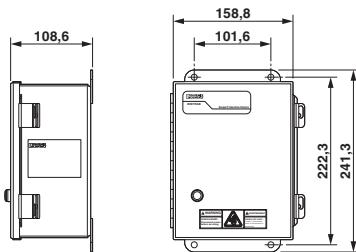
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

### Environmental Product Compliance

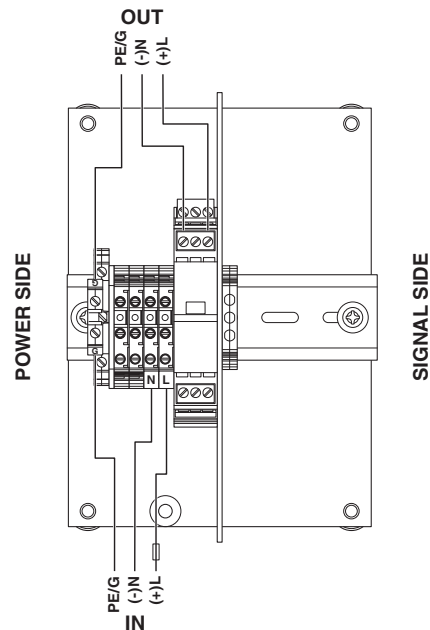
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Dimensional drawing



Connection diagram



# Surge protection device - BXT-4XS-SEC-T3-120+2X2-24 - 1191887

## Articles in set

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

Surge protection plug - PT 2X2-24DC-ST - 2838228



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

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

## Classifications

### eCl@ss

eCl@ss 10.0.1	27130810
eCl@ss 11.0	27130810
eCl@ss 9.0	27130810

### ETIM

ETIM 5.0	EC001473
----------	----------

## Approvals

### Approvals

### Approvals

UL Listed / cUL Listed / cULus Listed

# Surge protection device - BXT-4XS-SEC-T3-120+2X2-24 - 1191887

## Approvals

Ex Approvals

### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 330181
-----------	--	---	---------------

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 330181
------------	--	---	---------------

cULus Listed			
--------------	--	--	--

## Accessories

### Accessories

#### Full screw connection

Cable gland - G-ESS-M20-S66L-STES-S - 1411076



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

Cable gland - G-ESS-M25-M66L-STES-S - 1411078



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

## Surge protection device - BXT-4XS-SEC-T3-120+2X2-24 - 1191887

### Accessories

Cable gland - G-ESS-M32-M66L-STES-S - 1411080



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

---

Cable gland - G-ESS-M40-L66L-STES-S - 1411082



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

---

Cable gland - G-ESS-M50-L66L-STES-S - 1411085



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

---

### Spare parts

Type 3 surge protection plug - PLT-SEC-T3-120-P-UT/PT - 2907922



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

---