

## Surge protection device - BXT-4XP-SEC-T3-120+2X2-24AC - 2908686

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Wall-mounted NEMA 4/4X (IP66/67) polycarbonate enclosure with surge protection for 120 V AC/DC power and two 24 V AC loops with 28 V AC/40 V DC MCOV

### Your advantages

- ✓ UL 1449 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 055626 321509
GTIN	4055626321509
Weight per Piece (excluding packing)	640.000 g
Country of origin	Germany

### 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	PC (polycarbonate)
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## Technical data

### General

Mounting type	Wall mounting
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 AC (Signal)
Max. operating voltage $U_{max}$	150 V AC (Power)
	28 V AC (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)	20 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>

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## Technical data

### Power supply, general

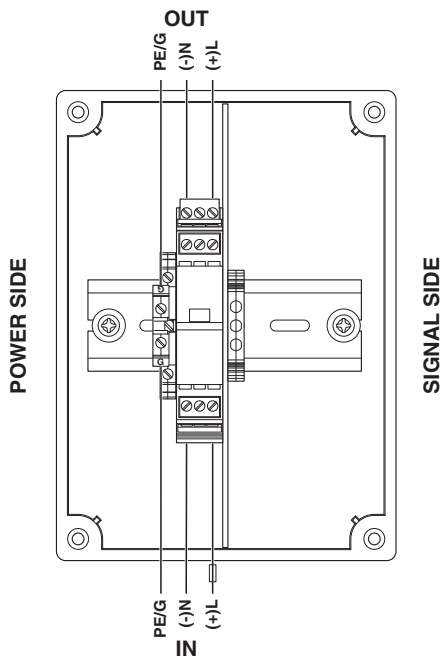
Conductor cross section flexible max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

### Environmental Product Compliance

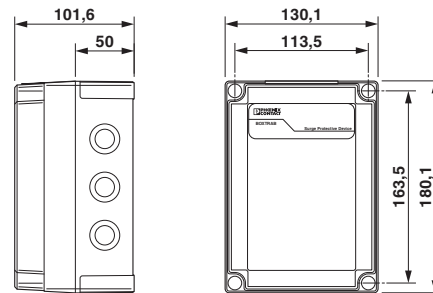
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Connection diagram



Dimensional drawing



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## 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 2X2-24AC-ST - 2838283



PT protective connector with protective circuit for two 2-wire floating signal circuits. 24 V AC 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

## Approvals

Approvals

Approvals

UL Listed / cUL Listed / cULus Listed

Ex Approvals

## Surge protection device - BXT-4XP-SEC-T3-120+2X2-24AC - 2908686

### Approvals

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#### Approval details

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

#### Accessories

##### Full screw connection

##### Cable gland - G-INS-M16-T68N-PNES-LG - 1424470



Cable gland, cable gland material: PA, external cable diameter 4 mm ... 8 mm, shielding: no, connecting thread: M16 x 1.5, color: lightgrey RAL 7035

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##### Cable gland - G-INS-M20-M68N-PNES-LG - 1424471



Cable gland, cable gland material: PA, external cable diameter 10 mm ... 14 mm, shielding: no, connecting thread: M20 x 1.5, color: lightgrey RAL 7035

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### Accessories

Cable gland - G-INS-M25-L68N-PNES-LG - 1424472



Cable gland, cable gland material: PA, external cable diameter 13 mm ... 18 mm, shielding: no, connecting thread: M25 x 1.5, color: lightgrey RAL 7035

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Cable gland - G-INS-M32-L68N-PNES-LG - 1424473



Cable gland, cable gland material: PA, external cable diameter 18 mm ... 25 mm, shielding: no, connecting thread: M32 x 1.5, color: lightgrey RAL 7035

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### 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.

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