

## Surge protection device - BXT-4XP-SEC-T3-120-FM - 2908682

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Wall-mounted NEMA 4/4X (IP66/67) polycarbonate enclosure with surge protection for 120 V AC/DC power and a divided compartment ready for additional Isolated Loop Protection.

### Your advantages

- ✓ UL 1449 Listed SPD
- ✓ Customizable: expand base unit with SPDs to suit your application
- ✓ 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                                 | <br>4 055626 321462 |
| GTIN                                 | 4055626321462   |
| 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) |
| Mounting type    | Wall mounting      |

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### 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) |
| Max. operating voltage $U_{max}$                | 150 V AC (Power) |
| Nominal current $I_N$                           | 20 A (Power)     |
| Max. discharge current $I_{max}$ (8/20) $\mu$ s | 10 kA (Power)    |

#### 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> |
| 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

# Surge protection device - BXT-4XP-SEC-T3-120-FM - 2908682

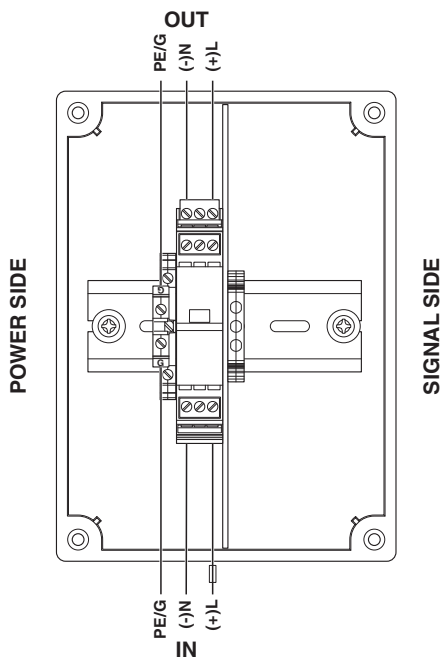
## Technical data

### Environmental Product Compliance

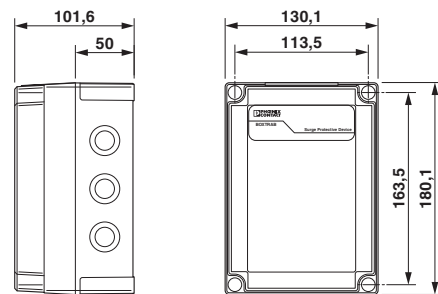
|            |   |
|------------|---|
| REACH SVHC | Lead 7439-92-1  |
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Drawings

Connection diagram



Dimensional drawing



## 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.

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## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27130805 |
| eCl@ss 11.0   | 27130805 |
| eCl@ss 9.0    | 27130805 |

### ETIM

|          |          |
|----------|----------|
| ETIM 5.0 | EC000942 |
|----------|----------|

## Approvals

### Approvals

#### Approvals

UL Listed / cUL Listed / cULus Listed

#### 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

## Surge protection device - BXT-4XP-SEC-T3-120-FM - 2908682

### Accessories

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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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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