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Wall-mounted NEMA 4/4X (IP66/67) polycarbonate enclosure with surge protection for 240 V AC/DC power and a divided compartment ready for additional Isolated Loop Protection.

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

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2908683       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | CL20          |
| Product key                          | CL1481        |
| GTIN                                 | 4055626321479 |
| Weight per piece (including packing) | 222.222 g     |
| Weight per piece (excluding packing) | 222.222 g     |
| Country of origin                    | DE            |

# BXT-4XP-SEC-T3-230-FM - Surge protection device



2908683

<https://www.phoenixcontact.com/us/products/2908683>

## Set consists of

### PLT-SEC-T3-230-FM-UT - Type 3 surge protection device

2907919

<https://www.phoenixcontact.com/us/products/2907919>



Type 2/3 surge protection, consisting of protective plug and base element with screw connection. For single-phase power supply network with integrated status indicator and remote signaling. Nominal voltage: 230 V AC/DC

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## Technical data

### Product properties

|                                |                                         |
|--------------------------------|-----------------------------------------|
| Product type                   | Device protection                       |
| Type                           | DIN rail module, two-section, divisible |
| Surge protection fault message | optical                                 |
| EN type                        | T2 / T3                                 |
| Number of ports                | One                                     |

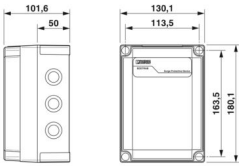
### Electrical properties

|                            |                                |
|----------------------------|--------------------------------|
| Nominal voltage $U_N$      | 240 V AC (Power)               |
| 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 <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section, rigid min.   | 0.2 mm <sup>2</sup> |
| Conductor cross section, rigid max.   | 4 mm <sup>2</sup>   |
| Connection method                     | Screw connection    |
| Screw thread                          | M3                  |

### Dimensions

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Dimensional drawing |  |
| Width               | 130 mm                                                                               |
| Height              | 180 mm                                                                               |
| Depth               | 120 mm                                                                               |

### Material specifications

|                  |                    |
|------------------|--------------------|
| Housing material | PC (polycarbonate) |
|------------------|--------------------|

### Protective circuit

|                       |                                          |
|-----------------------|------------------------------------------|
| Power supplies        |                                          |
| Direction of action   | L/N-PE & Signal Line-Shield-Earth Ground |
| Nominal voltage $U_N$ | 240 V AC (TN-S)                          |

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|  |               |
|--|---------------|
|  | 240 V AC (TT) |
|--|---------------|

## Information technology

|                                                        |                  |
|--------------------------------------------------------|------------------|
| Max. operating voltage $U_{\max}$                      | 275 V AC (Power) |
| Max. discharge current $I_{\max}$ (8/20) $\mu\text{s}$ | 10 kA (Power)    |

## 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                                | $\leq 6000$ mm (operating voltage remote contact $\leq 150$ V) |
| Permissible humidity (operation)        | 5 % ... 95 %                                                   |

## Mounting

|               |               |
|---------------|---------------|
| Mounting type | Wall mounting |
|---------------|---------------|

# BXT-4XP-SEC-T3-230-FM - Surge protection device

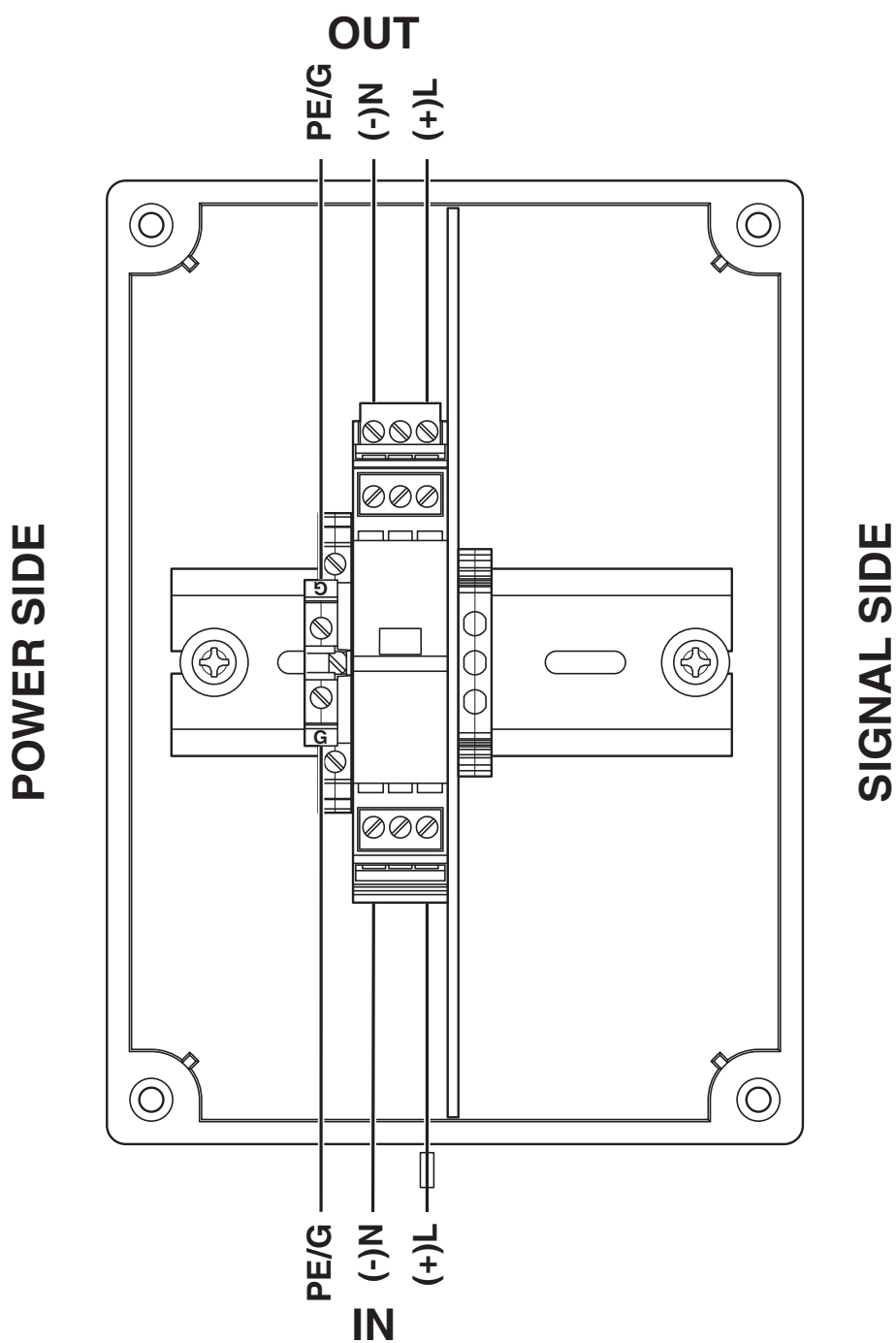
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## Drawings

Connection diagram



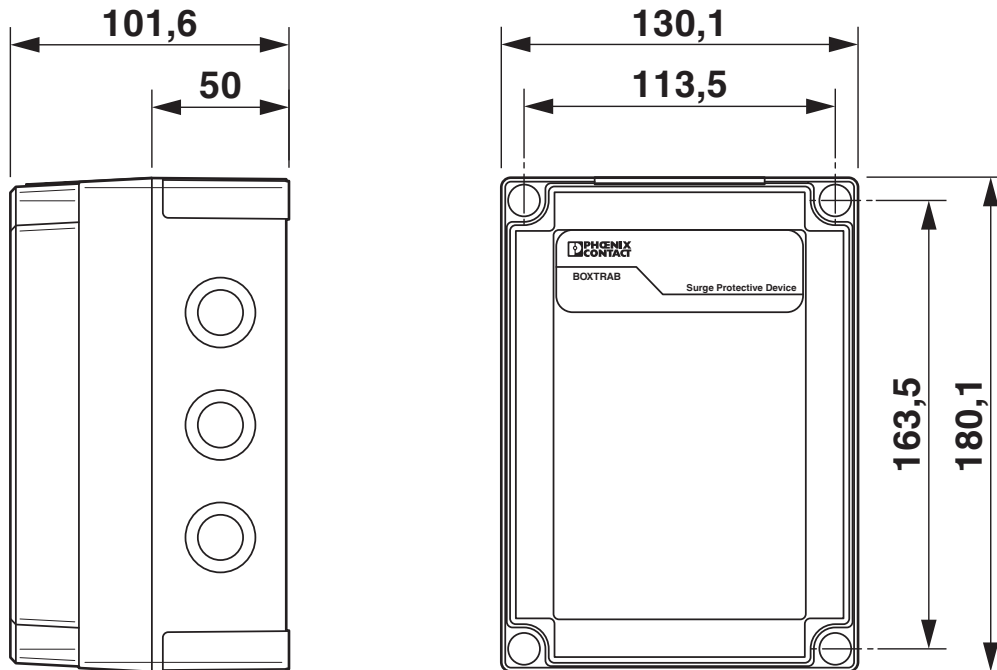
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Dimensional drawing



# BXT-4XP-SEC-T3-230-FM - Surge protection device



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2908683>



**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 | 27130805 |
| ECLASS-13.0 | 27171203 |

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC000942 |
|----------|----------|

Environmental product compliance

|                                         |                                                                                                                                                                                                                                   |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS                                 |                                                                                                                                                                                                                                   |
| Fulfills EU RoHS substance requirements | Not applicable, Not qualified for the European market                                                                                                                                                                             |
| 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.)     | No substance above 0.1 wt%                                                                                                                                                                                                        |

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## Accessories

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

1424470

<https://www.phoenixcontact.com/us/products/1424470>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 4 mm ... 8 mm, shielding: no, connecting thread: M16 x 1.5, color: lightgray RAL 7035

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

1424471

<https://www.phoenixcontact.com/us/products/1424471>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 10 mm ... 14 mm, shielding: no, connecting thread: M20 x 1.5, color: lightgray RAL 7035

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<https://www.phoenixcontact.com/us/products/2908683>

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

1424472

<https://www.phoenixcontact.com/us/products/1424472>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 13 mm ... 18 mm, shielding: no, connecting thread: M25 x 1.5, color: lightgray RAL 7035

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

1424473

<https://www.phoenixcontact.com/us/products/1424473>



Cable gland, material for screw connection: PA, application: Standard, external cable diameter 18 mm ... 25 mm, shielding: no, connecting thread: M32 x 1.5, color: lightgray RAL 7035

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## 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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## SZS 0,4X2,5 VDE - Screwdriver

1205037

<https://www.phoenixcontact.com/us/products/1205037>



Screwdriver, slot-headed, VDE insulated, size: 0.4 x 2.5 x 80 mm, 2-component grip, with non-slip grip

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## PLT-SEC-T3-230-P-UT/PT - Type 3 surge protection plug

2907923

<https://www.phoenixcontact.com/us/products/2907923>



Replacement plug for type 2/3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 230 V.

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