

# Surge protection device - BXT-N4X 4-WIRE - 5603514

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Wall-mount, NEMA 4X enclosure with four conductor protection for a 2-core floating signal circuit and 120 V AC powered transmitters.

The products are offered exclusively for export outside the EU and the

## **Key Commercial Data**

| Packing unit                         | 1 pc      |
|--------------------------------------|-----------|
| Weight per Piece (excluding packing) | 1496.85 g |
| Custom tariff number                 | 85369010  |
| Country of origin                    | Germany   |

#### Technical data

Trade restriction

#### Note

| Trade restriction | European Economic Area. |
|-------------------|-------------------------|
| Dimensions        |                         |
| Height            | 90 mm                   |
| Width             | 160 mm                  |

#### Ambient conditions

| Ambient temperature (operation) | -40 °C 85 °C   |
|---------------------------------|----------------|
| Degree of protection            | IP66 / NEMA 4X |

#### General

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

#### Protective circuit, information technology

| Nominal voltage U <sub>N</sub>          | 120 V AC (Power) |
|---|------------------|
|   | 24 V AC (Signal) |
| Max. operating voltage U <sub>max</sub> | 150 V AC (Power) |
|   | 28 V DC (Signal) |
| Nominal current I <sub>N</sub>          | 20 A (Power)     |
|   | 450 mA (Signal)  |



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## Technical data

#### Protective circuit, information technology

| Max. discharge current I <sub>max</sub> (8/20) µs maximum (Core-Core)  | 10 kA |
|--|-------|
| Max. discharge current I <sub>max</sub> (8/20) μs maximum (Core-Earth) | 10 kA |
| Resistance in series   | 2.2 Ω |

#### Power supply, general

| Connection type IN                    | Screw connection    |
|---------------------------------------|---------------------|
| Connection type OUT                   | Screw connection    |
| 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                  |

#### Standards (protective circuit, information technology)

| Ctandarda/ragulations | IEEE C62 36 |
|-----------------------|-------------|
| Standards/regulations | IEEE C62.36 |

## Articles in set

Type 3 surge protection device - PT 2-PE/S-120AC/FM - 2856812



Pluggable type 3 arrester (device protection) for single-phase power supply networks with separate N and PE (3-conductor system: L1, N, PE) with remote indication contact.

Surge protection plug - PT 1X2-24DC-ST - 2856032



PT protective connector with protective circuit for a 2-wire floating signal circuit. HART-compatible.



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## Articles in set

Surge protection base element - PT 1X2-BE - 2856113



Base element for protective plug PT with protective circuit for a 2-core floating signal circuit. Mounting on NS 35/7.5 und NS 35/15, housing width: 17.5 mm.

#### Classifications

## eCl@ss

| eCl@ss 4.1 | 27130801 |
|------------|----------|
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |
| eCl@ss 9.0 | 27130807 |

#### **ETIM**

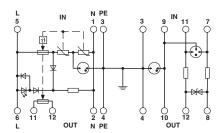
| ETIM 4.0 | EC000943 |
|----------|----------|
| ETIM 5.0 | EC000943 |

#### **UNSPSC**

| UNSPSC 6.01   | 30212010 |
|---------------|----------|
| UNSPSC 7.0901 | 39121610 |
| UNSPSC 11     | 39121610 |
| UNSPSC 12.01  | 39121610 |
| UNSPSC 13.2   | 39121620 |

## Drawings

## Circuit diagram





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