

Surge protection device - TT-STTB-F-PE - 2858205

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Spring-cage terminal block with PE foot and gas-filled surge arrester as coarse protection, for mounting on NS 35/7,5



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 22.08 GRM |
| Custom tariff number | 85363010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|---------|
| Height | 83.5 mm |
| Width | 6.2 mm |
| Depth | 47.5 mm |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Degree of protection | IP20 |

General

| | |
|--|--|
| Housing material | PA 6.6 |
| Inflammability class according to UL 94 | V0 |
| Color | black |
| Standards for air and creepage distances | IEC 60664-1 VDE 0110-1 |
| Mounting type | DIN rail: 35 mm |
| Type | Double-level terminal block with PE foot |
| Direction of action | Line-Earth Ground |

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Technical data

Protective circuit

| | |
|--|--------------------------------|
| IEC test classification | C1 |
| | C2 |
| | D1 |
| Nominal voltage U_N | 150 V DC |
| | 110 V AC |
| Maximum continuous operating voltage U_C | 150 V DC |
| | 110 V AC |
| Maximum continuous voltage U_C (wire-wire) | 150 V DC |
| | 110 V AC |
| Nominal current I_N | 2 A |
| Operating effective current I_C at U_C | $\leq 2 \mu A$ |
| Residual current I_{PE} | $\leq 2 \mu A$ |
| Nominal discharge current I_n (8/20) μs (Core-Earth) | 5 kA |
| Total surge current (8/20) μs | 5 kA |
| Output voltage limitation at 1 kV/ μs (Core-Earth) spike | $\leq 650 V$ |
| Output voltage limitation at 1 kV/ μs (Core-Earth) static | $\leq 650 V$ |
| Voltage protection level U_p (Core-Earth) | $\leq 650 V$ (C2 (10 kV/5 kA)) |
| Response time t_A (Core-Earth) | $\leq 100 ns$ |
| Capacity (Core-Earth) | 2 pF (1 MHz) |
| Surge current resistance (conductor-ground) | C1 - 1 kV/500 A |
| | C2 - 10 kV/5 kA |
| | D1 (500 A) |
| Alternating current carrying capacity (conductor-ground) | 2.5 A (1 s) |

Connection data

| | |
|--|------------------------|
| Connection method | Spring-cage connection |
| Connection type IN | Spring-cage |
| Connection type OUT | Spring-cage |
| Conductor cross section stranded min. | 0.5 mm ² |
| Conductor cross section stranded max. | 4 mm ² |
| Conductor cross section solid min. | 0.5 mm ² |
| Conductor cross section solid max. | 6 mm ² |
| Conductor cross section AWG/kcmil min. | 20 |
| Conductor cross section AWG/kcmil max | 10 |

Standards and Regulations

| | |
|-----------------------|--------------|
| Standards/regulations | IEC 61643-21 |
|-----------------------|--------------|

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27140201 |
| eCl@ss 4.1 | 27130801 |
| eCl@ss 5.0 | 27130801 |
| eCl@ss 5.1 | 27130801 |
| eCl@ss 6.0 | 27130807 |
| eCl@ss 7.0 | 27130807 |
| eCl@ss 8.0 | 27130807 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000943 |
| ETIM 3.0 | EC000943 |
| 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 |

Approvals

Approvals

Approvals

GOST

Ex Approvals

Approvals submitted

Approval details

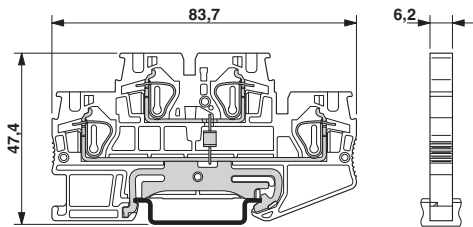
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Approvals

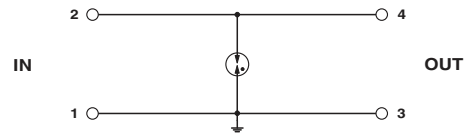


Drawings

Dimensioned drawing



Circuit diagram



Schematic diagram

