

TT-STTB-PE-12

Order No.: 2858179

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2858179>

Spring-cage terminal block with PE foot and suppressor diode as fine surge protection, nominal voltage: 12 V DC, for mounting on NS 35/7.5

| Commercial data | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 877880 |
| Note | Made-to-order |
| sales group | J300 |
| Pack | 25 pcs. |
| Customs tariff | 85363010 |
| Catalog page information | Page 105 (TT-2009) |

Product notes

WEEE/RoHS-compliant since:
05/10/2006



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| Technical data | |
|------------------------------------|--------|
| General | |
| Housing material | PA 6.6 |
| Inflammability class acc. to UL 94 | V0 |
| Color | black |

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| Standards for air and creepage distances | IEC 60664-1: 1992-10 |
| | VDE 0110-1 |
| Total surge current (8/20) μ s | 245 A |
| Ambient temperature (operation) | -40 °C ... 85 °C |
| Mounting type | DIN rail: 35 mm |
| Design | Double-level terminal block with PE foot |
| Degree of protection | IP20 |
| Direction of action | Line-Earth Ground |
| Width | 6.20 mm |
| Height | 47.50 mm |
| Length | 83.50 mm |

Protective circuit

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| IEC category | C3 |
| VDE requirement class | C3 |
| Nominal voltage U_N | 12 V DC |
| Maximum continuous operating voltage U_c | 18 V DC |
| | 13 V AC |
| Maximum continuous voltage U_c (wire-ground) | 18 V DC |
| | 13 V AC |
| Nominal current I_N | 32 A ($\leq 60^\circ\text{C}$) |
| Operating effective current I_c at U_c | $\leq 5 \mu\text{A}$ |
| Ground conductor current I_{PE} | $\leq 5 \mu\text{A}$ |
| Nominal discharge surge current I_n (8/20) μ s (Core-Earth) | 245 A |
| Total surge current (8/20) μ s | 245 A |
| Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Core) | 245 A |
| Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Earth) | 245 A |
| Nominal pulse current I_{an} (10/1000) μ s (Core-Core) | 49 A |
| Nominal pulse current I_{an} (10/1000) μ s (Core-Earth) | 49 A |
| Output voltage limitation at 1 kV/ μ s (Core-Earth) static | ≤ 30 V |
| Residual voltage at I_n , (conductor-conductor) | ≤ 40 V |
| Residual voltage at I_n , (conductor-ground) | ≤ 40 V |

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|---|-------------------------------|
| Residual voltage with I _{an} (10/1000)μs (conductor-conductor) | ≤ 30 V |
| Residual voltage with I _{an} (10/1000)μs (conductor-ground) | ≤ 30 V |
| Protection level U _p (Core-Core) | 28 V (C3 (25 A)) |
| Response time t _A (Core-Earth) | ≤ 1 ns |
| Input attenuation a _E , asym. | Typ. 0.1 dB (≤ 200 kHz/150 Ω) |
| Cut-off frequency f _g (3 dB), asym. (PE) in 150 Ohm system | Typ. 1.5 MHz |
| Capacity (Core-Earth) | 2.5 nF (With 1 MHz) |
| Surge carrying capacity in acc. with IEC 61643-21 (Core-Core) | C3 (25 A) |
| Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth) | C3 (25 A) |

Connection data

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| 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 |

Connection, protective circuit

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

Certificates / Approvals



Certification

GOST

Accessories

| Item | Designation | Description |
|-----------------|-------------|---|
| Assembly | | |
| 3030747 | ATP-STTB 4 | Partition plate, Length: 88.7 mm, Width: 2 mm, Height: 53 mm, Color: gray |

General

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|---------|--------------|--|
| 2858496 | TT-D-STTB BK | End cover for TERMITRAB TT-STTB-..., width: 2.2 mm, color: Black |
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Marking

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|---------|-------------------------|---|
| 1051993 | B-STIFT | Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm |
| 1051016 | ZB 6,LGS:FORTL.ZAHLEN | Zack marker strip, 10-section, printed horizontally: with the numbers 1 - 10, 11 - 20 and so on up to 491 - 500, color: white |
| 1051414 | ZB 6,LGS:L1-N,PE | Zack strip, printed horizontally, strips with 10 labels, L1, L2, L3, N, PE, L1, L2, L3, N, PE, color: white |
| 1051430 | ZB 6,LGS:U-N | Zack strip, printed horizontally: 10-section, U, V, W, N, GND, U, V, W, N, GND, color: white |
| 1050499 | ZB 6:SO/CMS | Zack strip, 10-section, divisible, special printing, marking according to customer requirements |
| 1051003 | ZB 6:UNBEDRUCKT | Zack strip, unprinted, strips with 10 labels for individual labeling with M-PEN or CMS system, for terminal block width: 6.2 mm, color: white |
| 0808749 | ZBF 6,LGS:FORTL.ZAHLEN | Zack marker strip, flat, printed horizontally: 10-section, with the numbers 1 - 10, 11 - 20, and so on up to 91 - 100, color: white |
| 0808736 | ZBF 6/WH-100:UNBEDRUCKT | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, large batch, sufficient for labeling 1000 terminal blocks, color: white |
| 0808710 | ZBF 6:UNBEDRUCKT | Zack strip, flat, unprinted: 10-section, for individual labeling with M-PEN or ZBF-T, sufficient for 100 terminal blocks, color: white |

Additional products

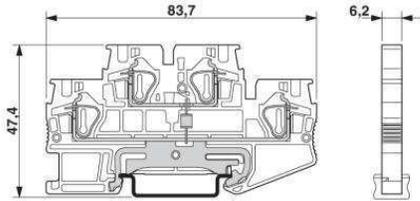
| Item | Designation | Description |
|-----------------|-------------|---|
| Assembly | | |
| 3030747 | ATP-STTB 4 | Partition plate, Length: 88.7 mm, Width: 2 mm, Height: 53 mm, Color: gray |
| 2839295 | SSA 3-6 | shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black |
| 2839512 | SSA 5-10 | Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black |

General

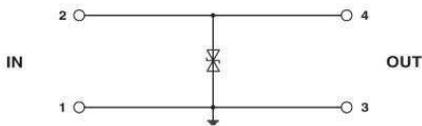
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|---------|--------------|--|
| 2858496 | TT-D-STTB BK | End cover for TERMITRAB TT-STTB-..., width: 2.2 mm, color: Black |
|---------|--------------|--|

Diagrams/Drawings

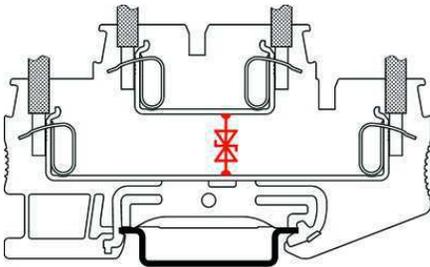
Dimensioned drawing



Circuit diagram



Schematic diagram



Address

PHOENIX CONTACT Inc., USA
586 Fulling Mill Road
Middletown, PA 17057, USA
Phone (800) 888-7388
Fax (717) 944-1625
<http://www.phoenixcon.com>



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