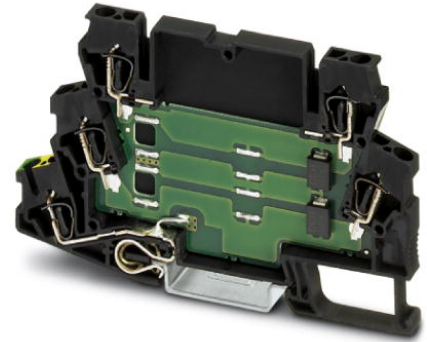



TT-ST-2/2-S-12DC

Order No.: 2921310



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2921310>

Spring cage modular terminal block with integrated surge protection, for assembly on NS 35/7.5, voltage U_N 12 V DC, terminal width: 6.2 mm, cover width: 2.2 mm

Commercial data	
GTIN (EAN)	 4 046356 279918
sales group	J300
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 164 (NTK-2008)

Product notes

WEEE/RoHS-compliant since:
02/12/2007



<http://www.download.phoenixcontact.com>
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
General	
Housing material	PA 6.6
Inflammability class acc. to UL 94	V2
Color	black
Standards for air and creepage distances	EN 60664-1

Total surge current (8/20) μ s	1.4 kA
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	DIN rail: 35 mm
Design	Double-level terminal block
Number of positions	2
Degree of protection	IP20
Direction of action	Line-Earth Ground
Width	6.20 mm
Height	63.50 mm
Length	100.00 mm

Protective circuit

IEC category	C1
	C3
VDE requirement class	C1
	C3
Nominal voltage U_N	12 V DC
Maximum continuous operating voltage U_C	13 V DC
	9 V AC
Maximum continuous voltage U_C (wire-ground)	13 V DC
	9 V AC
Nominal current I_N	10 A (50°C)
Operating effective current I_C at U_C	$\leq 5 \mu$ A (DC)
	$\leq 20 \mu$ A (60 Hz)
Ground conductor current I_{PE}	$\leq 10 \mu$ A (DC)
	$\leq 40 \mu$ A (60 Hz)
Nominal discharge surge current I_n (8/20) μ s (Core-Earth)	700 A (per path)
Total surge current (8/20) μ s	1.4 kA
Nominal pulse current I_{an} (10/1000) μ s (Core-Earth)	140 A (per path)
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 22 V
Residual voltage at I_n , (conductor-ground)	≤ 27 V
Residual voltage with I_{an} (10/1000) μ s (conductor-ground)	≤ 22 V
Protection level U_P (Core-Earth)	≤ 25 V (C1 - 250 A)

Response time tA (Core-Earth)	≤ 1 ns
Input attenuation aE, asym.	Typ. 0.3 dB (≤ 650 kHz / 50 Ω)
	Typ. 0.1 dB (≤ 100 kHz / 150 Ω)
Cut-off frequency fg (3 dB), asym. (GND) in 50 Ohm system	Typ. 1.7 MHz
Cut-off frequency fg (3 dB), asym. (GND) in 150 Ohm system	Typ. 300 kHz
Capacity (Core-Earth)	≤ 5 nF
Max. required back-up fuse	10 A (e.g. T (IEC 127-2/III))
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C1 (500 A/250 A)
	C3 (100 A)
Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Earth)	2 A (5x 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.	2.5 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection, protective circuit

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification

GOST

Accessories

Item	Designation	Description
General		
2858894	TT-D-STTCO-BK	End cover for TERMITRAB TT-ST-..., width: 2.2 mm, color: Black
Marking		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
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

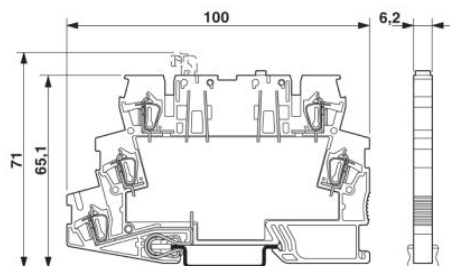
Additional products

Item	Designation	Description
Assembly		
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

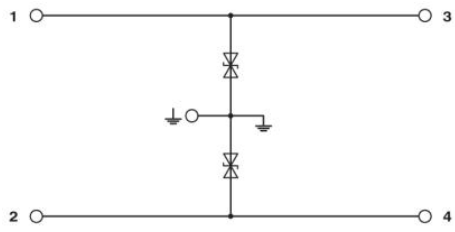
General		
2858894	TT-D-STTCO-BK	End cover for TERMITRAB TT-ST-..., width: 2.2 mm, color: Black

Diagrams/Drawings

Dimensioned drawing



Circuit 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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