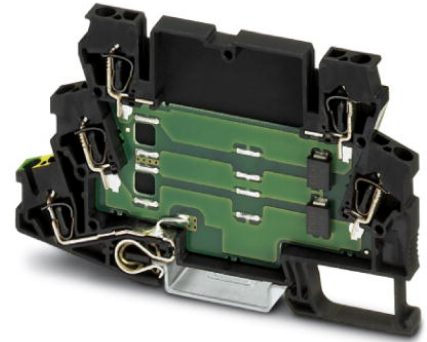



**TT-ST-2/2-S-24DC**

Order No.: 2920735

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2920735>

Spring cage modular terminal block with integrated surge protection,  
for assembly on NS 35/7.5, voltage  $U_N$  24 V DC, terminal width: 6.2  
mm, cover width: 2.2 mm

Commercial data	
GTIN (EAN)	 4 046356 168373
sales group	J300
Pack	10 pcs.
Customs tariff	85363010
Catalog page information	Page 164 (NTK-2008)

## Product notes

WEEE/RoHS-compliant since:  
05/26/2008

<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	
<b>General</b>	
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) $\mu$ s	620 A
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 $U_N$	24 V DC
Maximum continuous operating voltage $U_C$	30 V DC
	21 V AC
Maximum continuous voltage $U_C$ (wire-ground)	30 V DC
	21 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) $\mu$ s (Core-Earth)	310 A (per path)
Total surge current (8/20) $\mu$ s	620 A
Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (Core-Earth)	62 A (per path)
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 45$ V
Residual voltage at $I_n$ , (conductor-ground)	$\leq 48$ V
Residual voltage with $I_{an}$ (10/1000) $\mu$ s (conductor-ground)	$\leq 48$ V
Protection level $U_P$ (Core-Earth)	$\leq 45$ V (C1 - 250 A)

Response time tA (Core-Earth)	≤ 1 ns
Input attenuation aE, asym.	Typ. 0.3 dB (≤ 1 MHz / 50 Ω)
	Typ. 0.1 dB (≤ 150 kHz / 150 Ω)
Cut-off frequency fg (3 dB), asym. (GND) in 50 Ohm system	Typ. 3 MHz
Cut-off frequency fg (3 dB), asym. (GND) in 150 Ohm system	Typ. 500 kHz
Capacity (Core-Earth)	≤ 2 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 (25 A)
Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Earth)	2 A (5x 1 s)

#### Connection data

Type of connection	Spring-cage connection
Connection type IN	Spring-cage
Connection type OUT	Spring-cage
Conductor cross section stranded min.	0.5 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
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
<b>General</b>		
2858894	TT-D-STTCO-BK	End cover for TERMITRAB TT-ST-..., width: 2.2 mm, color: Black
<b>Marking</b>		
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

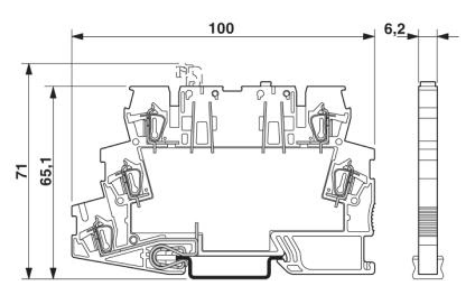
**Additional products**

Item	Designation	Description
<b>Assembly</b>		
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

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

**Diagrams/Drawings**

Dimensioned drawing



**Address**

PHOENIX CONTACT Deutschland GmbH  
Flachmarktstr. 8  
32825 Blomberg, Germany  
Phone +49 5235 3 12000  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.de>



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