

## TT-SLKK5-S- 48DC

Order No.: 2809610

The illustration shows version TT-SLKK5-S- 5 DC

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2809610>

Modular terminal block with suppressor diode as surge voltage protection between clamping connector and DIN rail, separate ground connection, nominal voltage: 48 V DC, mounting on NS 35/7,5, terminal width: 6.2 mm, terminal height: 69 mm

### Commercial data

EAN	4017918101299
Pack	50 pcs.
Customs tariff	85363030
Weight/Piece	0.0193 KG
Catalog page information	Page 84 (TT-2007)

### Product notes

WEEE/RoHS-compliant since:  
03/29/2006

<http://www.download.phoenixcontact.com>  
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### Technical data

#### General

Housing material	PA
Inflammability class acc. to UL 94	V2
Color	black

Total surge current (8/20) $\mu$ s	90 A
Ambient temperature (operation)	-40 °C ... 85 °C
Mounting type	DIN rail 35 mm
Design	Single-level terminal block – separate PE connection
Degree of protection	IP20
Direction of action	Line-Earth Ground
Width	6.20 mm
Height	69.50 mm
Length	66.50 mm
<b>Protective circuit</b>	
IEC category	C3
VDE requirement class	C3
Nominal voltage $U_N$	48 V DC
Max. operating voltage $U_{max}$	53 V DC
Arrester rated voltage $U_c$	53 V DC
	37 V AC
Arrester rated voltage $U_c$ (Core-Earth)	53 V DC
	37 V AC
Nominal current $I_N$	32 A (50°C)
Operating effective current $I_c$ at $U_c$	$\leq 5 \mu$ A
Discharge current to PE at $U_c$	$\leq 5 \mu$ A
Nominal discharge surge current $I_n$ (8/20) $\mu$ s (Core-Earth)	90 A
Total surge current (8/20) $\mu$ s	90 A
Max. discharge surge current $I_{max}$ (8/20) $\mu$ s maximum (Core-Earth)	90 A
Nominal pulse current $I_{an}$ (10/1000) $\mu$ s (Core-Earth)	17.7 A
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) spike	$\leq 81$ V
Output voltage limitation at 1 kV/ $\mu$ s (Core-Earth) static	$\leq 79$ V
Residual voltage at $I_n$ , (conductor-ground)	$\leq 111$ V
Response time $t_A$ (Core-Earth)	$\leq 1$ ns
Cut-off frequency $f_g$ (3 dB), asym. (PE) in 150 Ohm system	Typ. 4 MHz
Capacity (Core-Earth)	0.85 nF

Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C3 (10 A)
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**Connection data**

Type of connection	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque, min	0.5 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 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/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 CUL, GOST, UL

**CUL**

Nominal voltage U <sub>N</sub>	48 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	26-12

**UL**

Nominal voltage U <sub>N</sub>	48 V
Nominal current I <sub>N</sub>	30 A
AWG/kcmil	26-10

**Accessories**

Item	Designation	Description
<b>Assembly</b>		
2770228	D-UKK 3/5 BK	End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black
2770833	DP-UKK 3/5 BK	Spacer plate, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black

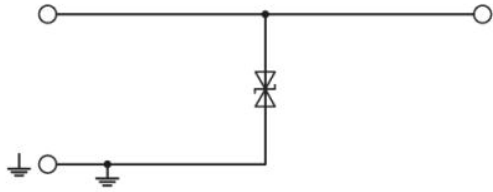
<b>Marking</b>		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm
1051016	ZB 6,LGS:FORTL.ZAHLEN	Zack strip, 10-section, printed horizontally: with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white
1051414	ZB 6,LGS:L1-N,PE	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 strip, flat, printed horizontally: 10-section, with the numbers, 1-10, 11-20 etc. up to 991-1000, 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>		
2770228	D-UKK 3/5 BK	End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black
2770833	DP-UKK 3/5 BK	Spacer plate, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black
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

**Diagrams/Drawings**

Circuit diagram



**Address**

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