



Extract from the online catalog

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>
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
Inflammability class acc. to UL 94	V2
Color	black

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Total surge current (8/20) μ 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
Protective circuit	
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) μ s (Core-Earth)	90 A
Total surge current (8/20) μ s	90 A
Max. discharge surge current I_{max} (8/20) μ s maximum (Core-Earth)	90 A
Nominal pulse current I_{an} (10/1000) μ s (Core-Earth)	17.7 A
Output voltage limitation at 1 kV/ μ s (Core-Earth) spike	≤ 81 V
Output voltage limitation at 1 kV/ μ s (Core-Earth) static	≤ 79 V
Residual voltage at I_n , (conductor-ground)	≤ 111 V
Response time t_A (Core-Earth)	≤ 1 ns
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	Typ. 4 MHz
Capacity (Core-Earth)	0.85 nF

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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 ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section solid min.	0.2 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 CUL, GOST, UL

CUL

Nominal voltage U_N	48 V
Nominal current I_N	30 A
AWG/kcmil	26-12

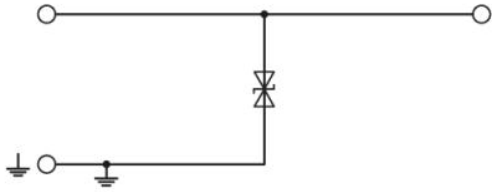
UL

Nominal voltage U_N	48 V
Nominal current I_N	30 A
AWG/kcmil	26-10

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Diagrams/Drawings

Circuit diagram



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