

TT-SLKK5-S- 48DC

Order No.: 2809610

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



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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



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Technical data

General

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

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

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

Accessories

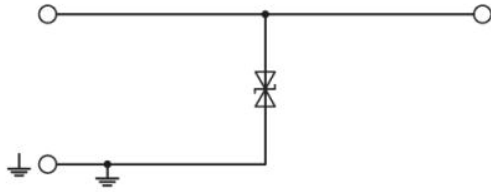
Item	Designation	Description
Assembly		
2770228	D-UKK 3/5 BK	End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black
2770833	DP-UKK 3/5 BK	Spacer plate, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black
Marking		
1051993	B-STIFT	Marker pen, for manual labeling of unprinted Zack 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
Assembly		
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



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