

TT-SLKK5-S- 48DC

Order No.: 2809610

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



<http://catalog.phoenixcontact.net/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	 4 017918 101299
sales group	J303
Pack	50 Pcs.
Customs tariff	85363030
Gross weight in pieces	0.0193 KG
Net weight per piece	0.0193 KG
Catalog page information	Page 99 (C-6-2013)

Product notes

WEEE/RoHS-compliant since:
01/31/2006



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Technical data

Dimensions

Height	66.5 mm
Width	6.2 mm
Depth	69.5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
Degree of protection	IP20

General

Housing material	PA
Inflammability class according to UL 94	V2
Color	black
Mounting type	DIN rail: 35 mm
Type	Single-level terminal block – separate PE connection
Direction of action	Line-Earth Ground

Protective circuit

IEC test classification	C3
VDE requirement class	C3
Nominal voltage U_N	48 V DC
Maximum continuous operating voltage U_C	53 V DC
	37 V AC
Maximum continuous voltage U_C (wire-ground)	53 V DC
	37 V AC
Nominal current I_N	32 A (50 °C)
Operating effective current I_C at U_C	$\leq 5 \mu A$
Residual current I_{PE}	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs (Core-Earth)	90 A
Total surge current (8/20) μs	90 A
Max. discharge current I_{max} (8/20) μs maximum (Core-Earth)	90 A
Nominal pulse current I_{an} (10/1000) μs (Core-Earth)	17.7 A
Output voltage limitation at 1 kV/ μs (Core-Earth) spike	$\leq 81 V$
Output voltage limitation at 1 kV/ μs (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 protection fault message	None
Surge carrying capacity in acc. with IEC 61643-21 (Core-Earth)	C3 (10 A)

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	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

Standards and Regulations

Standards/regulations	IEC 61643-21
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Certificates / Approvals



Certification cULus Recognized

Certifications applied for:

Certification Ex:

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

Covers

2770833	DP-UKK 3/5 BK	Spacer plate, to compensate for level offsets, Length: 56 mm, Width: 2.5 mm, Height: 25 mm, Color: black
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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 marker strip, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
1051414	ZB 6,LGS:L1-N,PE	Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Horizontal: L1, L2, L3, N, PE, L1, L2, L3, N, PE, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
1051430	ZB 6,LGS:U-N	Marker for terminal blocks, Strip, white, labeled, can be labeled with: Plotter, Printed horizontally: U, V, W, N, GND, U, V, W, N, GND, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
1051003	ZB 6:UNBEDRUCKT	Zack marker strip, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
0808749	ZBF 6,LGS:FORTL.ZAHLEN	Zack Marker strip, flat, Strip, white, labeled, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - 100, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm
0808736	ZBF 6/WH-100:UNBEDRUCKT	Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm
0808710	ZBF 6:UNBEDRUCKT	Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: Plotter, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Additional products

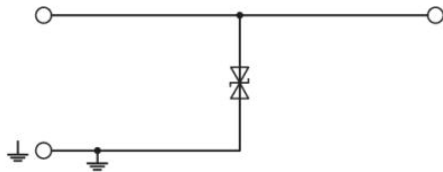
Item	Designation	Description
Assembly		
2770228	D-UKK 3/5 BK	End cover, Length: 56 mm, Width: 2.5 mm, Height: 66.5 mm, Color: black
2839295	SSA 3-6	shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black
2839512	SSA 5-10	Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Covers

2770833	DP-UKK 3/5 BK	Spacer plate, to compensate for level offsets, Length: 56 mm, Width: 2.5 mm, Height: 25 mm, Color: black
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Drawings

Circuit diagram



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