PHŒNIX CONTACT

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (http://phoenixcontact.com/download)

Modular terminal block with suppressor diode as surge voltage protection between clamping connector and DIN rail, separate ground connection, nominal voltage: 12 V DC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

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

Why buy this product

☑ Modular terminal blocks with screw connection technology

☑ Protective element between the feed-through terminal block and the metal mounting foot

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4017918101275
Weight per Piece (excluding packing)	19.400 g
Custom tariff number	85363030
Country of origin	Germany

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

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Technical data

General

Housing material	PA
Flammability rating according to UL 94	V-2
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	C1
	C3
VDE requirement class	C3
Nominal voltage U_N	12 V DC
Maximum continuous voltage U_C	13.6 V DC
	9.5 V AC
Rated current	32 A (50 °C)
Operating effective current I_C at U_C	≤ 5 µA
Residual current I_{PE}	≤ 5 µA
Nominal discharge current I_n (8/20) µs (core-earth)	346 A
Total discharge current I_{total} (8/20) µs	346 A
Max. discharge current I_{max} (8/20) µs maximum (Core-Earth)	346 A
Nominal pulse current Ian (10/1000) µs (Core-Earth)	67 A
Output voltage limitation at 1 kV/µs (core-earth) spike	≤ 24 V
Output voltage limitation at 1 kV/µs (core-earth) static	≤ 19 V
Residual voltage at I_n (conductor-ground)	≤ 29 V
Response time tA (core-earth)	≤ 1 ns
Cut-off frequency fg (3 dB), asym. (PE) in 150 Ohm system	typ. 1 MHz
Capacity (core-earth)	2.35 nF
Surge protection fault message	none
Impulse durability (conductor-ground)	C1 - 500 V / 250 A
	C3 - 25 A

Connection data

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Technical data

Connection data

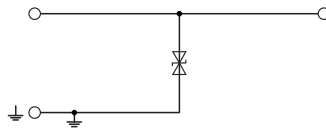|	
Conductor cross section flexible	0.2 mm² ... 4 mm²
Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12

Standards and Regulations

Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2000

Environmental Product Compliance

REACh SVHC	4-Nonylphenol, ethoxylated

Drawings

Circuit diagram

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Classifications

ETIM

ETIM 6.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm²/AWG/kcmil		26-10	
Nominal current IN		30 A	
Nominal voltage UN		12 V	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
mm²/AWG/kcmil		26-12	
Nominal current IN		30 A	
Nominal voltage UN		12 V	

PHŒNIX CONTACT

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Approvals

EAC	EAC	RU C-DE.A*30.B01561

cULus Recognized	c UL us	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Accessories

Accessories

End cover

End cover - D-UKK 3/5 BK - 2770228

End cover, length: 56 mm, width: 2.5 mm, height: 66.5 mm, color: black

Labeled terminal marker

Zack Marker strip, flat - ZBF 6,LGS:FORTL.ZAHLEN - 0808749

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

Marker for terminal blocks - ZB 6,LGS:L1-N,PE - 1051414

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-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

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Accessories

Marker for terminal blocks - ZB 6,LGS:U-N - 1051430

Marker for terminal blocks, Strip, white, labeled, can be labeled with: CMS-P1-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

Zack marker strip - ZB 6,LGS:FORTL.ZAHLEN - 1051016

Zack marker strip, Strip, white, labeled, can be labeled with: CMS-P1-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

Marker pen

Marker pen - B-STIFT - 1051993

Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

Partition plate

Spacer plate - DP-UKK 3/5 BK - 2770833

Spacer plate, to compensate for level offsets, length: 56 mm, width: 2.5 mm, height: 25 mm, color: black

Terminal marking

PHŒNIX CONTACT

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Accessories

Zack Marker strip, flat - ZBF 6:UNBEDRUCKT - 0808710

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Zack Marker strip, flat - ZBF 6/WH-100:UNBEDRUCKT - 0808736

Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into flat marker groove, for terminal block width: 6.2 mm, Lettering field: 5.15 x 6.15 mm

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003

Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, Mounting type: Snap into tall marker groove, for terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

Additional products

End cover - D-UKK 3/5 BK - 2770228

End cover, length: 56 mm, width: 2.5 mm, height: 66.5 mm, color: black

Spacer plate - DP-UKK 3/5 BK - 2770833

Spacer plate, to compensate for level offsets, length: 56 mm, width: 2.5 mm, height: 25 mm, color: black

Surge protection device - TT-SLKK5-S- 12DC - 2809597

Accessories

Shield connection - SSA 3-6 - 2839295

shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black

Shield connection - SSA 5-10 - 2839512

Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black