

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

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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: 12 V DC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm

Your advantages

- ✓ 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	50 pc
GTIN	 4 017918 101275
GTIN	4017918101275

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
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

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Technical data

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	$\leq 5 \mu\text{A}$
Residual current I_{PE}	$\leq 5 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-earth)	346 A
Total discharge current I_{total} (8/20) μs	346 A
Max. discharge current I_{max} (8/20) μs maximum (line-earth)	346 A
Nominal pulse current I_{an} (10/1000) μs (line-earth)	67 A
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 24 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 19 \text{ V}$
Residual voltage at I_n (line-earth)	$\leq 29 \text{ V}$
Response time t_A (line-earth)	$\leq 1 \text{ ns}$
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	typ. 1 MHz
Capacity (line-earth)	2.35 nF
Surge protection fault message	none
Impulse durability (line-earth)	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
Conductor cross section flexible	0.2 mm ² ... 4 mm ²
Conductor cross section solid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Standards and Regulations

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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50 years
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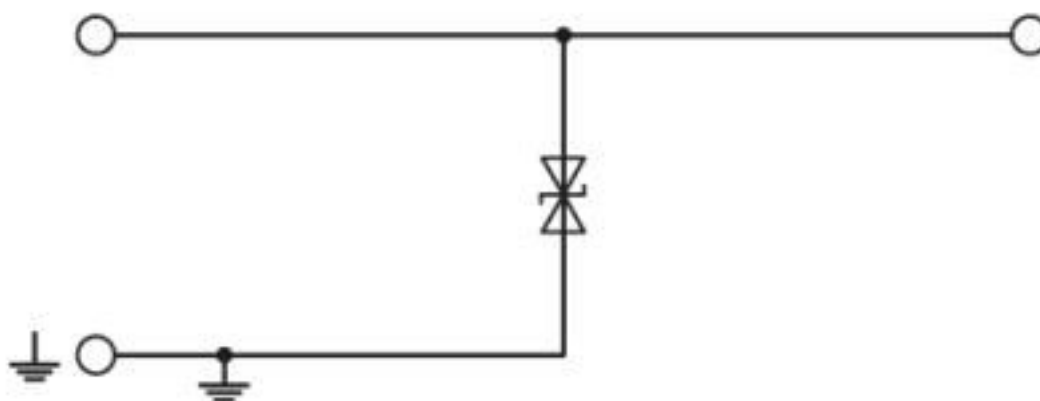
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27130800
eCl@ss 4.1	27130800
eCl@ss 5.0	27130800
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
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
ETIM 6.0	EC000943
ETIM 7.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610

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Classifications

UNSPSC

UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 19.0	39121620

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 size: 5.15 x 6.15 mm, Number of individual labels: 10

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 size: 6.15 x 10.5 mm, Number of individual labels: 10

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 size: 6.15 x 10.5 mm, Number of individual labels: 10

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Accessories

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 size: 6.15 x 10.5 mm, Number of individual labels: 10

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

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 6.2 mm, lettering field size: 5.15 x 6.15 mm, Number of individual labels: 10

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Accessories

Zack marker strip - ZB 6:UNBEDRUCKT - 1051003



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 6.15 x 10.5 mm, Number of individual labels: 10

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

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

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