

Surge protection device - TT-SLKK5-S- 5DC - 2809584


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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: 5 V AC, mounting on NS 35/7.5, terminal width: 6.2 mm, terminal height: 69 mm



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 101268
GTIN	4017918101268

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	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	C1
	C3

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Protective circuit

VDE requirement class	C3
Nominal voltage U_N	5 V AC
Maximum continuous voltage U_C (line-earth)	5.8 V DC
	4 V AC
Nominal current I_N	32 A (50 °C)
Operating effective current I_C at U_C	≤ 2 mA
Residual current I_{PE}	≤ 2 mA
Nominal discharge current I_n (8/20) μ s (line-earth)	746 A
Total surge current (8/20) μ s	746 A
Max. discharge current I_{max} (8/20) μ s maximum (line-earth)	746 A
Nominal pulse current I_{an} (10/1000) μ s (line-earth)	143 A
Output voltage limitation at 1 kV/ μ s (line-earth) spike	≤ 12 V
Output voltage limitation at 1 kV/ μ s (line-earth) static	≤ 9 V
Residual voltage at I_n (line-earth)	≤ 13.4 V
Response time t_A (line-earth)	≤ 1 ns
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	typ. 300 kHz
Capacity (line-earth)	4.75 nF
Impulse durability (line-earth)	C1 - 500 V / 250 A
	C3 - 100 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 min.	0.2 mm ²
Conductor cross section flexible 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 min.	24
Conductor cross section AWG max.	12

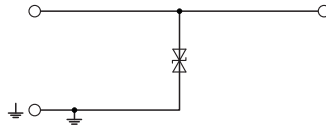
Standards and Regulations

Standards/regulations	IEC 61643-21
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Drawings

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Circuit diagram



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