

Surge protection device - TT-SLKK5/ 48DC - 2794916

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Modular terminal block with varistor 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

Why buy this product

- ✓ Protective element between the feed-through terminal block and the metal mounting foot
- ✓ Modular terminal blocks with screw connection technology



Key Commercial Data

Packing unit	50 pc
GTIN	 4 017918 072988
GTIN	4017918072988

Technical data

Dimensions

Height	69.5 mm
Width	6.2 mm
Length	66.5 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
	C2
	C3
VDE requirement class	C1
	C2
	C3
Nominal voltage U_N	48 V DC
Maximum continuous voltage U_C	65 V DC
	50 V AC
Rated current	32 A (50 °C)
Operating effective current I_C at U_C	$\leq 100 \mu\text{A}$
Residual current I_{PE}	$\leq 100 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (line-earth)	2 kA
Total discharge current I_{total} (8/20) μs	6.5 kA
Max. discharge current I_{max} (8/20) μs maximum (line-earth)	6.5 kA
Nominal pulse current I_{an} (10/1000) μs (line-earth)	75 A
Output voltage limitation at 1 kV/ μs (line-earth) spike	$\leq 150 \text{ V}$
Output voltage limitation at 1 kV/ μs (line-earth) static	$\leq 125 \text{ V}$
Residual voltage at I_n (line-earth)	$\leq 240 \text{ V}$
Response time t_A (line-earth)	$\leq 25 \text{ ns}$
Cut-off frequency f_g (3 dB), asym. (PE) in 150 Ohm system	typ. 600 kHz
Surge protection fault message	none

Connection data

Connection method	Screw connection
Connection method IN	Screw terminal blocks
Connection method OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.8 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
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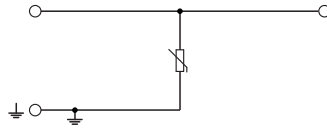
Environmental Product Compliance

REACH SVHC	4-Nonylphenol, ethoxylated
	Lead 7439-92-1

Drawings

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Circuit diagram



Approvals

Approvals

Approvals

CSA / UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	13631
Nominal voltage UN		48 V	
Nominal current IN		34 A	
mm ² /AWG/kcmil		28-12	

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		48 V	
Nominal current IN		30 A	
mm ² /AWG/kcmil		26-10	


cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 60425
Nominal voltage UN		48 V	
Nominal current IN		30 A	


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Approvals

mm ² /AWG/kcmil	26-12

EAC		EAC-Zulassung
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cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
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