

Surge protection device - TT-UKK5-M/ 48DC - 2795973

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Double-level modular terminal block with suppressor diode as surge protection between both levels, disconnect knife in the upper level, nominal voltage: 48 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

The figure shows version TT-UKK5-M-24 DC

Your advantages

- ✓ Can be used in the signal circuits of electronic controllers



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 073237
GTIN	4017918073237
Weight per Piece (excluding packing)	25.590 g
Custom tariff number	85363010
Country of origin	Greece

Technical data

Dimensions

Height	80 mm
Width	6.2 mm
Depth	68 mm

Ambient conditions

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

General

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Technical data

General

Housing material	PA
Flammability rating according to UL 94	V-2
Color	black
Standards for clearances and creepage distances	VDE 0110-1
Mounting type	DIN rail: 35 mm
Type	Double-level terminal block with disconnect knife
Number of positions	1
Direction of action	Line-Line

Protective circuit

IEC test classification	C3
VDE requirement class	C3
Nominal voltage U_N	48 V DC
Maximum continuous voltage U_C	53 V DC
	37 V AC
Rated current	12 A (45 °C)
Operating effective current I_C at U_C	$\leq 5 \mu A$
Nominal discharge current I_n (8/20) μs (line-line)	90 A
Total discharge current I_{total} (8/20) μs	90 A
Max. discharge current I_{max} (8/20) μs maximum (line-line)	90 A
Nominal pulse current I_{an} (10/1000) μs (line-line)	17.7 A
Output voltage limitation at 1 kV/ μs (line-line) static	$\leq 80 V$
Residual voltage at I_n (line-line)	$\leq 111 V$
Response time t_A (line-line)	$\leq 1 ns$
Cut-off frequency f_g (3 dB), sym. in 150 Ohm system	typ. 3.8 MHz
Capacity (line-line)	$\leq 0.85 nF$
Surge protection fault message	none
Impulse durability (line-line)	C3 - 10 A

Connection data

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

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Connection data

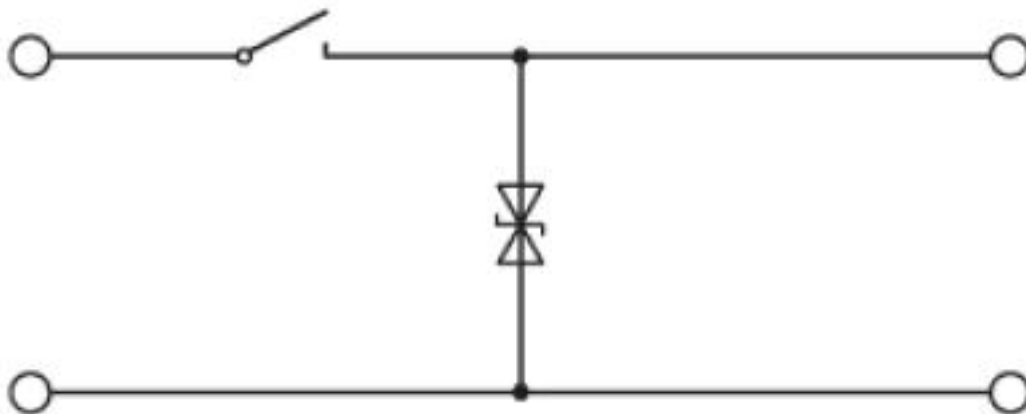
Conductor cross section AWG	24 ... 12
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Standards and Regulations

Standards/regulations	IEC 61643-21
Standards/specifications	IEC 61643-21 2000
	DIN EN 61643-21 2002

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	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

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Classifications

ETIM

ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943

UNSPSC

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