

## Surge protection device - TT-UKK5-M/ 60DC - 2795986

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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: 60 V DC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm

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



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 073244
Weight per Piece (excluding packing)	26.07 GRM
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

Housing material	PA
Inflammability class according to UL 94	V2
Color	black
Standards for air and creepage distances	VDE 0110-1

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### Technical data

#### General

Mounting type	DIN rail/G-profile rail
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 $U_N$	60 V DC
Maximum continuous operating voltage $U_C$	70 V DC
	49 V AC
Maximum continuous voltage $U_C$ (wire-wire)	70 V DC
Maximum continuous voltage $U_C$ (wire-ground)	49 V AC
Nominal current $I_N$	12 A (45°C)
Operating effective current $I_C$ at $U_C$	$\leq 5 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Core-Core)	69 A
Total surge current (8/20) $\mu\text{s}$	69 A
Max. discharge current $I_{\text{max}}$ (8/20) $\mu\text{s}$ maximum (Core-Core)	69 A
Nominal pulse current $I_{\text{an}}$ (10/1000) $\mu\text{s}$ (Core-Core)	13.3 A
Output voltage limitation at 1 kV/ $\mu\text{s}$ (Core-Core) static	$\leq 100 \text{ V}$
Residual voltage at $I_n$ , (conductor-conductor)	$\leq 120 \text{ V}$
Response time $t_A$ (Core-Core)	$\leq 1 \text{ ns}$
Cut-off frequency $f_g$ (3 dB), sym. in 150 Ohm system	typ. 3.2 MHz
Capacity (Core-Core)	$\leq 0.65 \text{ nF}$
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C3 - 10 A

#### Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	4 mm <sup>2</sup>
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24

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## Technical data

### Connection data

Conductor cross section AWG/kcmil max	12
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### Standards and Regulations

Standards/regulations	IEC 61643-21
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## 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

### ETIM

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

### UNSPSC

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

## Approvals

### Approvals

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Approvals

CSA / GOST / GOST

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Ex Approvals

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## Approvals

Approvals submitted

## Approval details

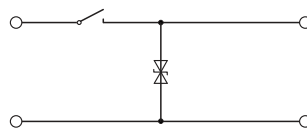
CSA	
mm <sup>2</sup> /AWG/kcmil	24-12
Nominal current I <sub>N</sub>	12 A
Nominal voltage U <sub>N</sub>	60 V

GOST	
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GOST	
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## Drawings

Circuit diagram



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Schematic diagram

