

## Surge protection device - TT-UKK5-D-F/60AC - 2788207

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Double-level modular terminal block with gas-filled surge arrester as coarse protection between both levels, nominal voltage: 60 V AC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 6.2 mm, terminal height: 68 mm



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 071424
Weight per Piece (excluding packing)	24.24 GRM
Custom tariff number	85363010
Country of origin	Greece

### Technical data

#### Dimensions

Height	68 mm
Width	6.2 mm
Length	80 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
Mounting type	DIN rail/G-profile rail

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### Technical data

#### General

Type	Double-level terminal block
Direction of action	Line-Line

#### Protective circuit

IEC test classification	C1
	C2
	D1
VDE requirement class	C1
	C2
	D1
Nominal voltage $U_N$	60 V AC
Maximum continuous operating voltage $U_c$	170 V DC
	120 V AC
Maximum continuous voltage $U_C$ (wire-wire)	170 V DC
	120 V AC
Nominal current $I_N$	2 A
Operating effective current $I_c$ at $U_c$	$\leq 2 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$ (Core-Core)	5 kA
Total surge current (8/20) $\mu s$	5 kA
Max. discharge current $I_{max}$ (8/20) $\mu s$ maximum (Core-Core)	5 kA
Output voltage limitation at 1 kV/ $\mu s$ (Core-Core) spike	$\leq 1$ kV
Response time $t_A$ (Core-Core)	$\leq 100$ ns
Capacity (Core-Core)	$\leq 0.002$ nF
Surge carrying capacity in acc. with IEC 61643-21 (Core-Core)	C2 - 10 kV / 5 kA
Alternating current carrying capacity in acc. with IEC 61643-21 (Core-Earth)	2.5 A (1 s)

#### 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>

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### Technical data

#### Connection data

Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

#### 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

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## Approvals


Ex Approvals

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Approvals submitted

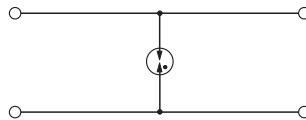
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## Approval details

CSA 	
mm <sup>2</sup> /AWG/kcmil	24-12
Nominal current I <sub>N</sub>	16 A
Nominal voltage U <sub>N</sub>	60 V

## Drawings

Circuit diagram



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Schematic diagram

