

## Surge protection device - TT-UK-R-F/250AC - 2788249


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Modular double terminal block with gas-filled surge arrester as coarse protection between both levels, nominal voltage: 250 V AC, for mounting on NS 32 or NS 35/7.5, closed housing, terminal width: 15.5 mm, terminal height: 45.5 mm



### Key commercial data

Packing unit	25 pc
GTIN	 4 017918 071455
Weight per Piece (excluding packing)	30.16 g
Custom tariff number	85363010
Country of origin	Greece

### Technical data

#### Dimensions

Height	45.5 mm
Width	15.3 mm
Length	50 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 80 °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
Type	Single-level terminal block – two-channel
Direction of action	Line-Line

#### Protective circuit

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## Technical data

### Protective circuit

IEC test classification	C2
	D1
VDE requirement class	C2
	D1
Nominal voltage $U_N$	250 V AC
Maximum continuous operating voltage $U_C$	150 V DC
	250 V AC
Maximum continuous voltage $U_C$ (wire-wire)	150 V DC
	250 V AC
Nominal current $I_N$	2 A
Operating effective current $I_C$ at $U_C$	$\leq 2 \mu A$
Residual current $I_{PE}$	$\leq 2 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$ (Core-Core)	20 kA
Total surge current (8/20) $\mu s$	20 kA
Max. discharge current $I_{max}$ (8/20) $\mu s$ maximum (Core-Core)	20 kA
Output voltage limitation at 1 kV/ $\mu s$ (Core-Core) spike	$\leq 1.4$ kV
Response time $t_A$ (Core-Core)	$\leq 100$ ns
Capacity (Core-Core)	$\leq 1.5$ pF
Impulse durability (conductor-conductor)	C2 - 10 kV/5 kA
	D1 (20 kV/2.5 kA)
Alternating current carrying capacity (conductor-ground)	20 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.	2.5 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
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

EAC

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Ex Approvals

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Approvals submitted

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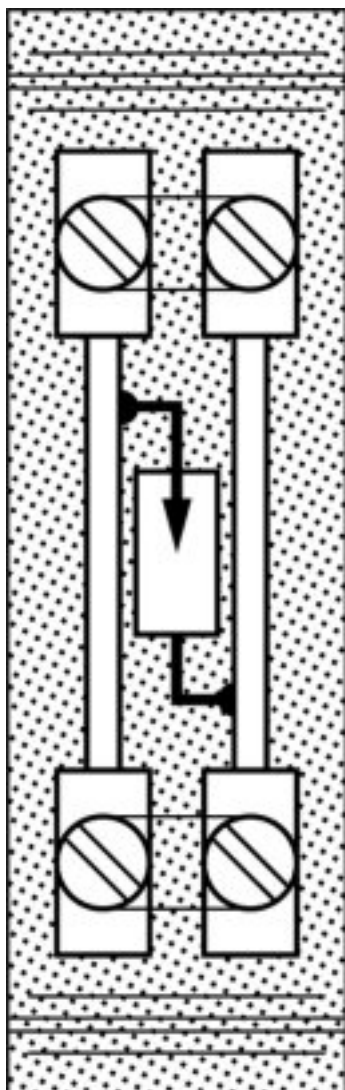
### Approval details

EAC
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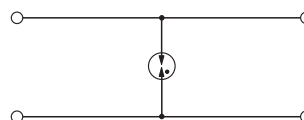
## Drawings

# Surge protection device - TT-UK-R-F/250AC - 2788249

Schematic diagram



Circuit diagram



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Schematic diagram

