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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## Surge protection plug - TT-UKK5-T-V-48DC-ST - 2807243

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Protective plug with varistor to plug onto base element TT-UKK5-T-BE, nominal voltage: 48 V DC

The illustration shows version TT-UKK5-T-V-24 DC-ST

### Product Features

- Can be used in the signal circuits of electronic controllers



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 075071
Weight per Piece (excluding packing)	8.07 GRM
Custom tariff number	85363030
Country of origin	Greece

### Technical data

#### Dimensions

Height	41.5 mm
Width	6.2 mm
Depth	52 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °C
Degree of protection	IP20

#### General

Housing material	PA
Inflammability class according to UL 94	V2

## Surge protection plug - TT-UKK5-T-V-48DC-ST - 2807243

### Technical data

#### General

Color	black
Standards for air and creepage distances	VDE 0110-1
Mounting type	On base element
Type	Single-level terminal block
Number of positions	1
Direction of action	Line-Line

#### Protective circuit

IEC test classification	C1
	C2
	C3
VDE requirement class	C1
	C3
Nominal voltage $U_N$	48 V DC
Maximum continuous operating voltage $U_C$	65 V DC
	50 V AC
Maximum continuous voltage $U_C$ (wire-wire)	65 V DC
Maximum continuous voltage $U_C$ (wire-ground)	50 V DC
Nominal current $I_N$	26 A (40°C)
Operating effective current $I_C$ at $U_C$	$\leq 70 \mu\text{A}$
Nominal discharge current $I_n$ (8/20) $\mu\text{s}$ (Core-Core)	1 kA
Total surge current (8/20) $\mu\text{s}$	1 kA
Max. discharge current $I_{\text{max}}$ (8/20) $\mu\text{s}$ maximum (Core-Core)	4.5 kA
Nominal pulse current $I_{\text{an}}$ (10/1000) $\mu\text{s}$ (Core-Core)	35 A
Residual voltage at $I_n$ , (conductor-conductor)	$\leq 200 \text{ V}$
Response time $t_A$ (Core-Core)	$\leq 25 \text{ ns}$
Capacity (Core-Core)	typ. 1.8 nF
Surge protection fault message	None
Surge current resistance (conductor-conductor)	C2 - 2 kV / 1 kA
	C3 - 25 A

#### Connection data

Connection method	Screw connection (in connection with the base element)
Connection type IN	TERMITRAB plug-in system
Connection type OUT	TERMITRAB plug-in system
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm

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### Technical data

#### Connection data

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
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

Approvals

GOST / GOST

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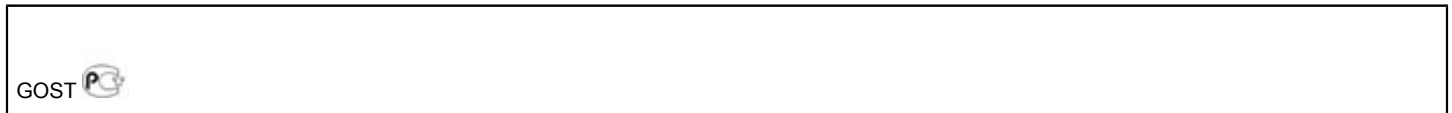
Ex Approvals

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Approvals submitted

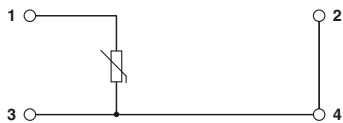
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## Approval details



## Drawings

Circuit diagram



Catalog photo

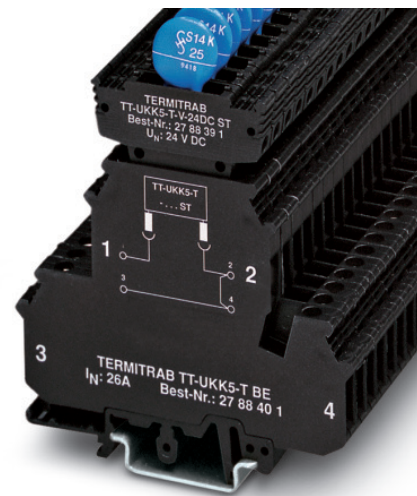


Figure may contain other products.

