

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

Why buy this product

- Can be used in the signal circuits of electronic controllers



Key commercial data

Packing unit	50 pc
GTIN	 4 017918 075071
Weight per Piece (excluding packing)	8.07 g
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
Color	black
Standards for air and creepage distances	VDE 0110-1
Mounting type	On base element

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Technical data

General

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	$\leq 70 \mu A$
Nominal discharge current I_n (8/20) μs (Core-Core)	1 kA
Total surge current (8/20) μs	1 kA
Max. discharge current I_{max} (8/20) μs maximum (Core-Core)	4.5 kA
Nominal pulse current I_{an} (10/1000) μs (Core-Core)	35 A
Residual voltage at I_n , (conductor-conductor)	$\leq 200 V$
Response time t_A (Core-Core)	$\leq 25 ns$
Capacity (Core-Core)	typ. 1.8 nF
Surge protection fault message	None
Impulse durability (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
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	4 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
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

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

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Approvals

EAC

Accessories

Necessary add-on products

Surge protection base element - TT-UKK5-T-BE - 2788401



TERMITRAB base element with universal foot, with screw connections on both sides.

Additional products

Shield connection - SSA 3-6 - 2839295



shield fast connections for conductor diameter 3 - 6 mm. Potential connection cable: 200 mm, black

Shield connection - SSA 5-10 - 2839512



Shield fast connection for conductor diameters 5 - 10 mm. Potential connection cable: 200 mm, black

Drawings

Circuit diagram

