

Surge protection plug - TT-UKK5-T-V-24DC-ST - 2788391

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Protective plug with varistor for TERMITRAB base element TT-UKK5-T-BE, nominal voltage: 24 V DC

Product Features

- Can be used in the signal circuits of electronic controllers



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 071516
Weight per Piece (excluding packing)	8.12 g
Custom tariff number	85363030
Country of origin	Greece

Technical data

Dimensions

Height	52 mm
Width	6.2 mm
Length	41.5 mm

Ambient conditions

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

General

Housing material	PA
Flammability rating according to UL 94	V2
Color	black

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Technical data

General

Standards for clearances 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
	C3
VDE requirement class	C1
	C3
Nominal voltage U_N	24 V DC
Maximum continuous voltage U_C	31 V DC
	25 V AC
Maximum continuous voltage U_C (wire-wire)	31 V DC
Maximum continuous voltage U_C (wire-ground)	25 V DC
Nominal current I_N	26 A (40°C)
Operating effective current I_C at U_C	$\leq 150 \mu\text{A}$
Nominal discharge current I_n (8/20) μs (Core-Core)	350 A
Total surge current (8/20) μs	350 A
Max. discharge current I_{max} (8/20) μs maximum (Core-Core)	1 kA
Nominal pulse current I_{an} (10/1000) μs (Core-Core)	25 A
Residual voltage at I_n (conductor-conductor)	$\leq 130 \text{ V}$
Response time t_A (Core-Core)	$\leq 25 \text{ ns}$
Capacity (Core-Core)	typ. 4.6 nF
Impulse durability (conductor-conductor)	C1 - 500 V / 250 A
	C3 - 10 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 flexible min.	0.2 mm ²
Conductor cross section flexible max.	4 mm ²
Conductor cross section solid min.	0.2 mm ²

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Connection data

Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG 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
eCl@ss 9.0	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

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Approvals

Ex Approvals

Approvals submitted

Approval details

EAC

Drawings

Circuit diagram

