

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

Your advantages

- ✓ Can be used in the signal circuits of electronic controllers



Key Commercial Data

Packing unit	1 pc
GTIN	 4 017918 075071
GTIN	4017918075071
Weight per Piece (excluding packing)	8.070 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
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Technical data

General

Flammability rating according to UL 94	V-2
Color	black
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
	C2
	C3
VDE requirement class	C1
	C3
Nominal voltage U_N	48 V DC
Maximum continuous voltage U_C	65 V DC
	50 V AC
Rated current	26 A (40 °C)
Operating effective current I_C at U_C	$\leq 70 \mu A$
Nominal discharge current I_n (8/20) μs (line-line)	1 kA
Total discharge current I_{total} (8/20) μs	1 kA
Max. discharge current I_{max} (8/20) μs maximum (line-line)	4.5 kA
Nominal pulse current I_{an} (10/1000) μs (line-line)	35 A
Residual voltage at I_n (line-line)	$\leq 200 V$
Response time t_A (line-line)	$\leq 25 ns$
Capacity (line-line)	typ. 1.8 nF
Surge protection fault message	none
Impulse durability (line-line)	C2 - 2 kV / 1 kA
	C3 - 25 A

Connection data

Connection method	Screw connection (in connection with the base element)
Connection method IN	TERMITRAB plug-in system
Connection method OUT	TERMITRAB plug-in system
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section flexible	0.2 mm ² ... 4 mm ²

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Technical data

Connection data

Conductor cross section solid	0.2 mm² ... 4 mm²
Conductor cross section AWG	24 ... 12

Standards and Regulations

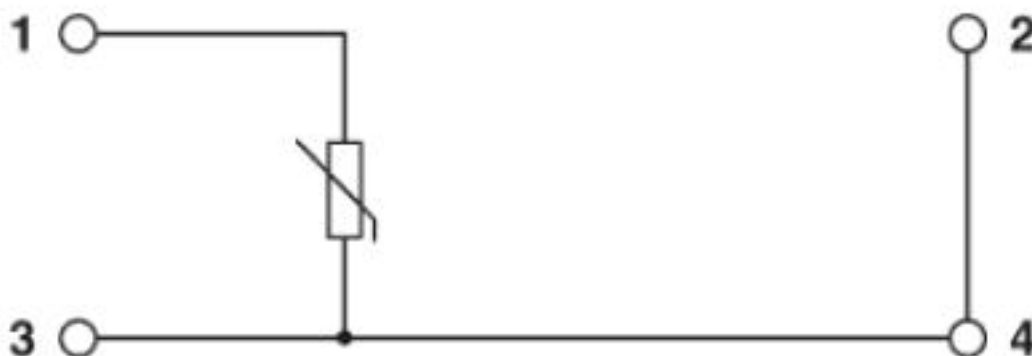
Standards/regulations	IEC 61643-21
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Environmental Product Compliance

	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Circuit diagram



Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130800
eCl@ss 6.0	27130800
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

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Classifications

ETIM

ETIM 2.0	EC000943
ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943
ETIM 6.0	EC000943

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620
UNSPSC 19.0	39121620

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 connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

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Accessories

Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm², color: black

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