

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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) 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)	$\leq 200 \text{ V}$
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

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

Technical data

Connection data

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

Standards and Regulations

Standards/regulations	IEC 61643-21
-----------------------	--------------

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

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

Approvals

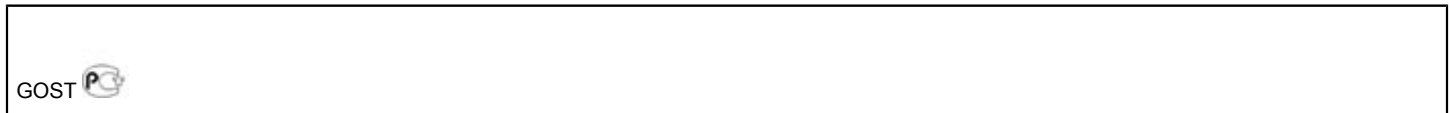
Approvals

GOST / GOST

Ex Approvals

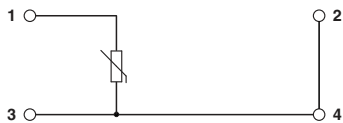
Approvals submitted

Approval details



Drawings

Circuit diagram



Catalog photo



Figure may contain other products.

