

# Surge protection plug - TT-UKK5-T-V-120AC-ST - 2818083

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Protective plug with varistor to plug onto base element TT-UKK5-T-BE, nominal voltage: 120 V AC



## Key Commercial Data

Packing unit	50 pc
GTIN	
GTIN	4017918148317

## 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
Flammability rating according to UL 94	V-2
Color	jet black RAL 9005
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

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## Technical data

### Protective circuit

IEC test classification	C1
	C2
	C3
Nominal voltage $U_N$	120 V AC
Maximum continuous voltage $U_C$	170 V DC
	130 V AC
Rated current	26 A (40 °C)
Operating effective current $I_C$ at $U_C$	≤ 350 μA
Nominal discharge current $I_n$ (8/20) μs (line-line)	2.5 kA
Total discharge current $I_{total}$ (8/20) μs	2.5 kA
Max. discharge current $I_{max}$ (8/20) μs maximum (line-line)	8 kA
Nominal pulse current $I_{an}$ (10/1000) μs (line-line)	80 A
Residual voltage at $I_n$ (line-line)	≤ 475 V
Residual voltage with $I_{an}$ (10/1000) μs (line-line)	≤ 320 V
Response time $t_A$ (line-line)	≤ 25 ns
Capacity (line-line)	typ. 1.34 nF
Surge protection fault message	none
Max. required back-up fuse	2 A (F)
Impulse durability (line-line)	C2 - 4 kV / 2 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 <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

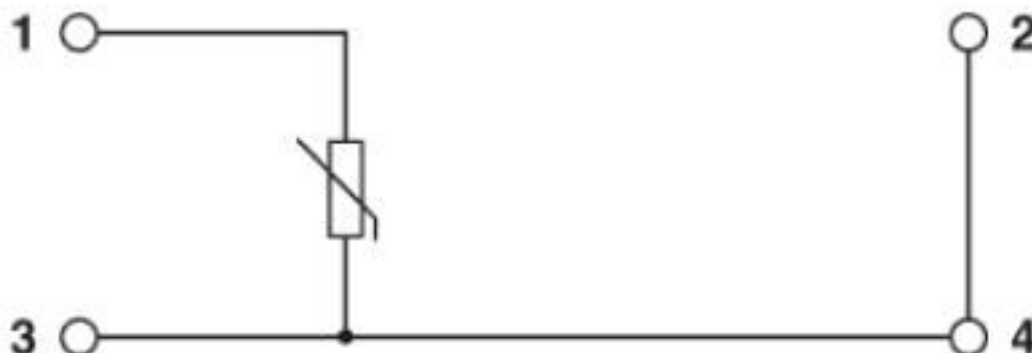
### Standards and Regulations

Standards/specifications	IEC 61643-21 2000
	EN 61643-21 2001

## Drawings

# Surge protection plug - TT-UKK5-T-V-120AC-ST - 2818083

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

### 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 plug - TT-UKK5-T-V-120AC-ST - 2818083

### Accessories

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



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

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### Additional products

Shield connection - SSA 3-6 - 2839295



Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable: 200 mm, 1 mm<sup>2</sup>, color: black

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Shield connection - SSA 5-10 - 2839512



Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable: 200 mm, 1 mm<sup>2</sup>, color: black

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