

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



2818083

<https://www.phoenixcontact.com/us/products/2818083>

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

Commercial data

Item number	2818083
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	CL02
Product key	CL2228
GTIN	4017918148317
Weight per piece (including packing)	9.396 g
Weight per piece (excluding packing)	9.396 g
Customs tariff number	85363030
Country of origin	GR

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Technical data

Product properties

Product type	Surge protection for MCR technology
IEC test classification	C1
	C2
	C3
Type	Single-level terminal block
Number of positions	1
Surge protection fault message	none
Wire pairs per module	1

Electrical properties

Nominal voltage U_N	120 V AC
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Connection data

Connection method	Screw connection (in connection with the base element)
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section AWG	24 ... 12

Dimensions

Width	6.2 mm
Height	41.5 mm
Depth	52 mm

Material specifications

Flammability rating according to UL 94	V-2
Housing material	PA

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	Line-Line
Nominal voltage U_N	120 V AC
Maximum continuous operating voltage U_C	170 V DC
	130 V AC
Rated current	26 A (40 °C)
Operating effective current I_C at U_C	≤ 350 μ A

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Nominal discharge current I_n (8/20) μ s (line-line)	2.5 kA
Total discharge current I_{Total} (8/20) μ s	2.5 kA
Max. discharge current I_{max} (8/20) μ s maximum (line-line)	8 kA
Nominal pulse current I_{an} (10/1000) μ s (line-line)	80 A
Residual voltage at I_n (conductor-conductor)	≤ 475 V
Residual voltage with I_{an} (10/1000) μ s (line-line)	≤ 320 V
Response time t_A (line-line)	≤ 25 ns
Capacity (Core-Core)	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

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Air clearances and creepage distances

Standards/regulations	VDE 0110-1
Standards/specifications	IEC 61643-21
Note	2000
Standards/specifications	EN 61643-21
Note	2001

Mounting

Mounting type	on base element
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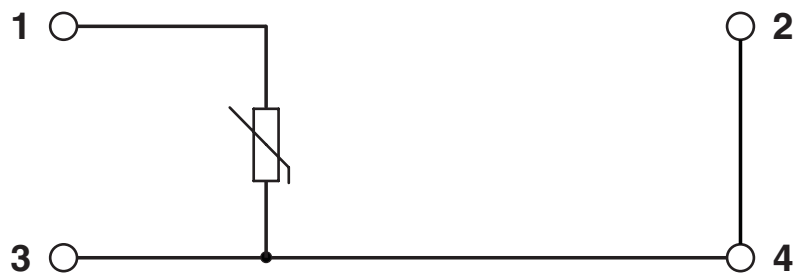
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Drawings

Circuit diagram



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Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	
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	No substance above 0.1 wt%
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