

PLT-T3-60-P - Type 3 surge protection plug



2906493

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Replacement plug for type 3 device protection from the PLUGTRAB T3 product range. 60 V nominal voltage.

Commercial data

Item number	2906493
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CLP311
GTIN	4055626082042
Weight per piece (including packing)	36.2 g
Weight per piece (excluding packing)	36.2 g
Country of origin	DE

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Technical data

Notes

General

Note	PLT-T3-60-P must not be used in DC applications with grounded positive pole.
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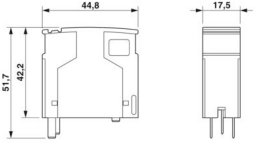
Product properties

Product type	Replacement plug
Type	Male
Number of positions	2
Surge protection fault message	optical

Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3
Number of ports	One

Dimensions

Dimensional drawing	
Width	17.5 mm
Height	44.8 mm
Depth	51.7 mm
Horizontal pitch	1 Div.

Material specifications

Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Housing material	PA 6.6

Protective circuit

Mode of protection	L-N
	L-PE
	N-PE
	(L+) - (L-)
	(L+/L-) - PE

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Direction of action	1L-N & N-PE
Nominal voltage U_N	60 V AC (TN-S)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C	100 V AC
	80 V DC
Rated load current I_L	16 A AC (at 63 °C)
	10 A DC
Protective conductor current I_{PE}	$\leq 5 \mu A$
Standby power consumption P_C	$\leq 180 \text{ mVA}$
Reference test voltage U_{REF}	66 V AC
Nominal discharge current I_n (8/20) μs	2 kA
Combination wave U_{OC}	4 kV
Voltage protection level U_p (L-N)	$\leq 0.4 \text{ kV}$
Voltage protection level U_p (L-PE)	$\leq 0.7 \text{ kV}$
Voltage protection level U_p (N-PE)	$\leq 0.7 \text{ kV}$
Residual voltage at I_{max} , (L-N)	$\leq 0.42 \text{ kV}$ (at I_n)
Residual voltage at I_{max} , (L-PE)	$\leq 0.25 \text{ kV}$ (at I_n)
Residual voltage at I_{max} , (PE)	$\leq 0.25 \text{ kV}$ (at I_n)
TOV behavior at U_T (L-N)	105 V AC (5 s / withstand mode)
TOV behavior at U_T (L-PE)	105 V AC (5 s / withstand mode)
Response time t_A (L-N)	$\leq 25 \text{ ns}$
Response time t_A (L-PE)	$\leq 100 \text{ ns}$
Response time t_A (N-PE)	$\leq 100 \text{ ns}$
Short-circuit current rating I_{SCCR}	1.5 kA AC
	1 kA DC
Maximum backup fuse for through wiring	16 A AC (B)
	10 A DC (gG)
Max. backup fuse with branch wiring	16 A AC (B)
	10 A DC (gG)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	$\leq 2000 \text{ m}$ (amsl)
Permissible humidity (operation)	5 % ... 95 %

Approvals

UL specifications

Maximum continuous operating voltage MCOV	100 V AC
Nominal discharge current I_n	2 kA
	L-N

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Mode of protection	L-G
	N-G
Power distribution system	Single phase
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (L-N)	500 V
Measured limiting voltage MLV (L-G)	900 V
Measured limiting voltage MLV (N-G)	900 V
SPD Type	4CA

Standards and regulations

Standards/specifications	EN 61643-11
Note	2012

Mounting

Mounting type	on base element
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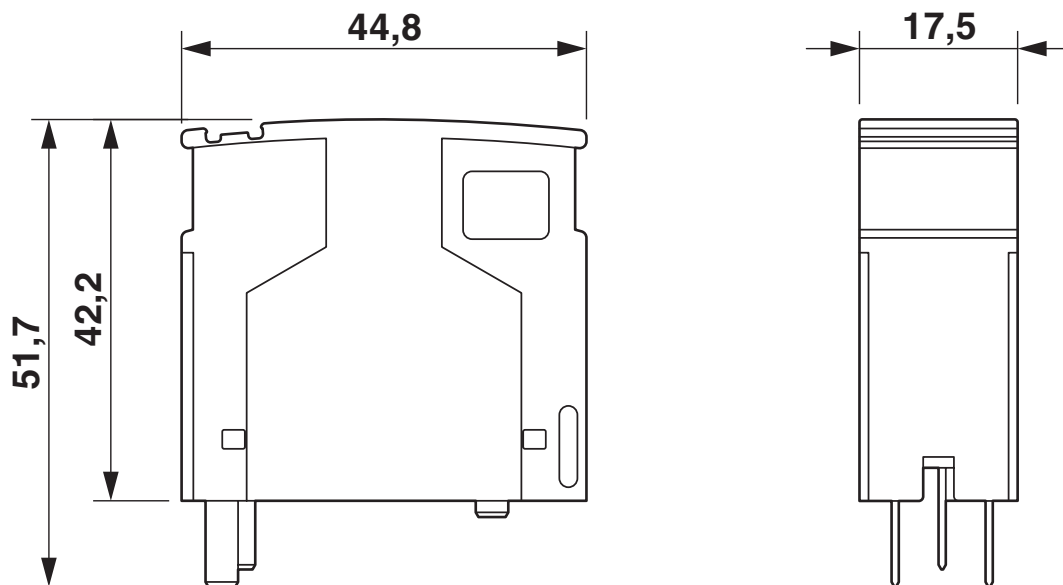
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Drawings

Dimensional drawing



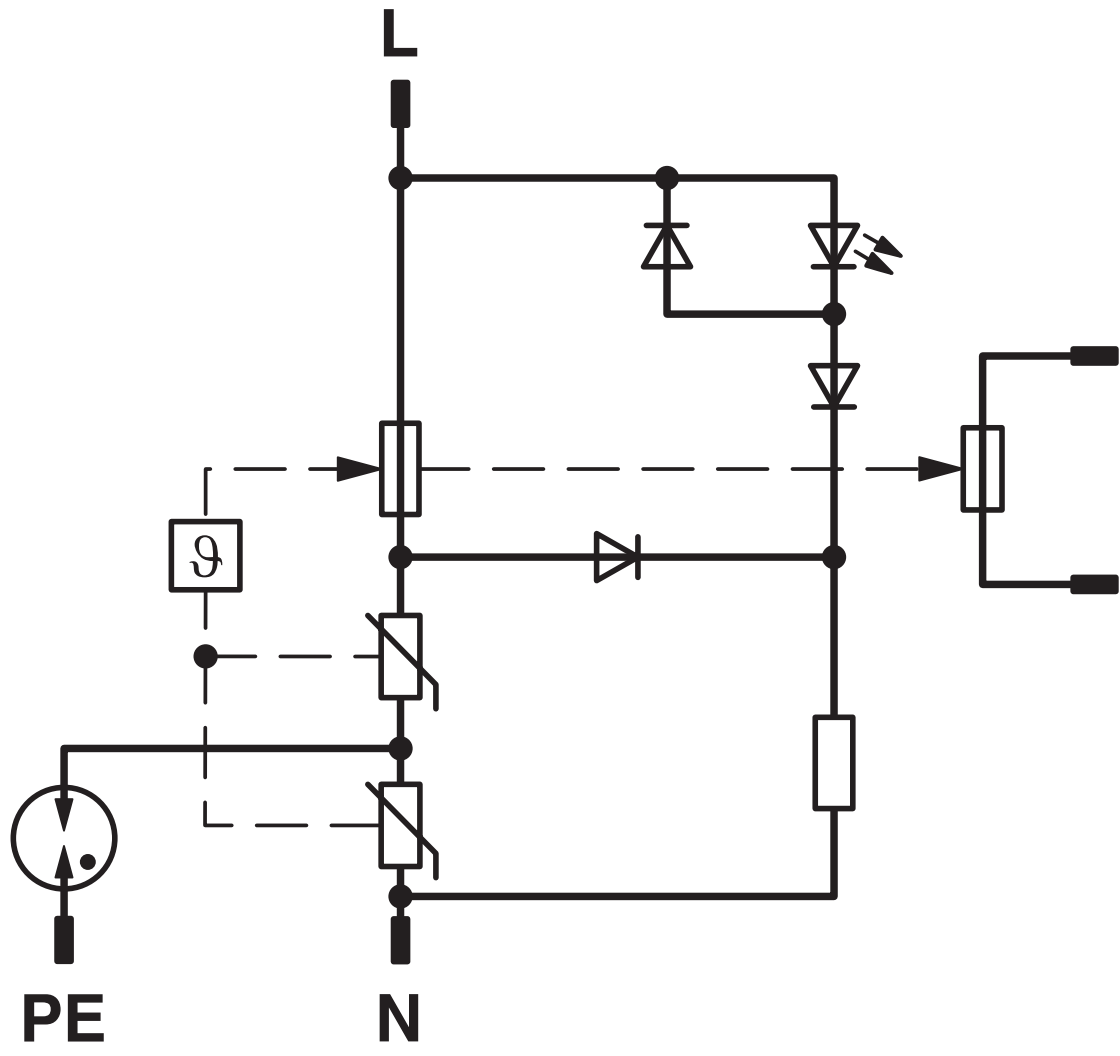
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Circuit diagram



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

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