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

2905233

https://www.phoenixcontact.com/us/products/2905233

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

Commercial data

Item number	2905233
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL19
Product key	CL14A1
Catalog page	Page 71 (C-4-2017)
GTIN	4046356939737
Weight per piece (including packing)	45.5 g
Weight per piece (excluding packing)	42.5 g
Customs tariff number	85363030
Country of origin	DE

Technical data

Product properties

Product type	Replacement plug
Product family	SEC Family
IEC power supply system	TN-S
Type	Male
Number of positions	2
Surge protection fault message	optical

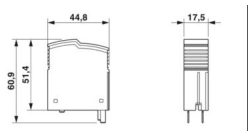
Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3

Connection data

Connection method	pluggable

Dimensions

Dimensional drawing	
Width	17.5 mm
Height	60.9 mm
Depth	44.8 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-FR 20% GF
	PA 6.6-FR
Material group	I
Housing material	PA 6.6-FR 20 % GF
	PA 6.6-FR

Protective circuit

Mode of protection	L-N
	L-PE
	N-PE

	(L+) - (L-)
	(L+/L-) - PE
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 voltage U_C	100 V AC
	80 V DC
Residual current I_{PE}	≤ 5 µA
Standby power consumption P_C	≤ 75.00 mVA (at U_{REF})
	≤ 150.00 mVA (at U_C)
Reference test voltage U_{REF}	66.00 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)	≤ 0.48 kV
Voltage protection level U_p (L-PE)	≤ 0.9 kV
Voltage protection level U_p (N-PE)	≤ 0.9 kV
TOV behavior at U_T (L-N)	120 V AC (5 s / withstand mode)
	120 V AC (120 min / withstand mode)
TOV behavior at U_T (L-PE)	120 V AC (5 s / withstand mode)
	120 V AC (120 min / withstand mode)
Response time t_A (L-N)	≤ 25 ns
Response time t_A (L-PE)	≤ 100 ns
Response time t_A (N-PE)	≤ 100 ns
Short-circuit current rating I_{SCCR}	1.5 kA AC
	1 kA DC

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	≤ 2000 m (amsl)
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 ... 150 Hz/20 cycles/axis/X, Y, Z)

Approvals

UL specifications

Maximum continuous operating voltage MCOV	100 V AC
	80 V DC
Nominal discharge current I_n	3 kA
Mode of protection	L-N
	L-G

	N-G
	(L+) - (L-)
	(L+) - G
	(L-) - G
Nominal voltage	60 V DC
Power distribution system	Single phase
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (L-N)	540 V
Measured limiting voltage MLV (L-G)	830 V
Measured limiting voltage MLV (N-G)	830 V
Measured limiting voltage MLV (L+) - (L-)	540 V
Measured limiting voltage MLV (L+) - G	830 V
Measured limiting voltage MLV (L-) - G	830 V
SPD Type	4CA

Standards and regulations

EN 61643-11

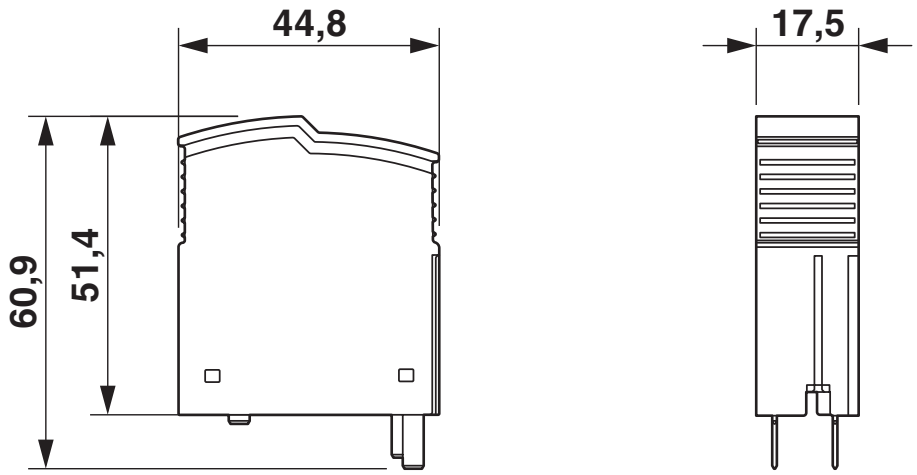
Standards/specifications	EN 61643-11
Note	2012

Mounting

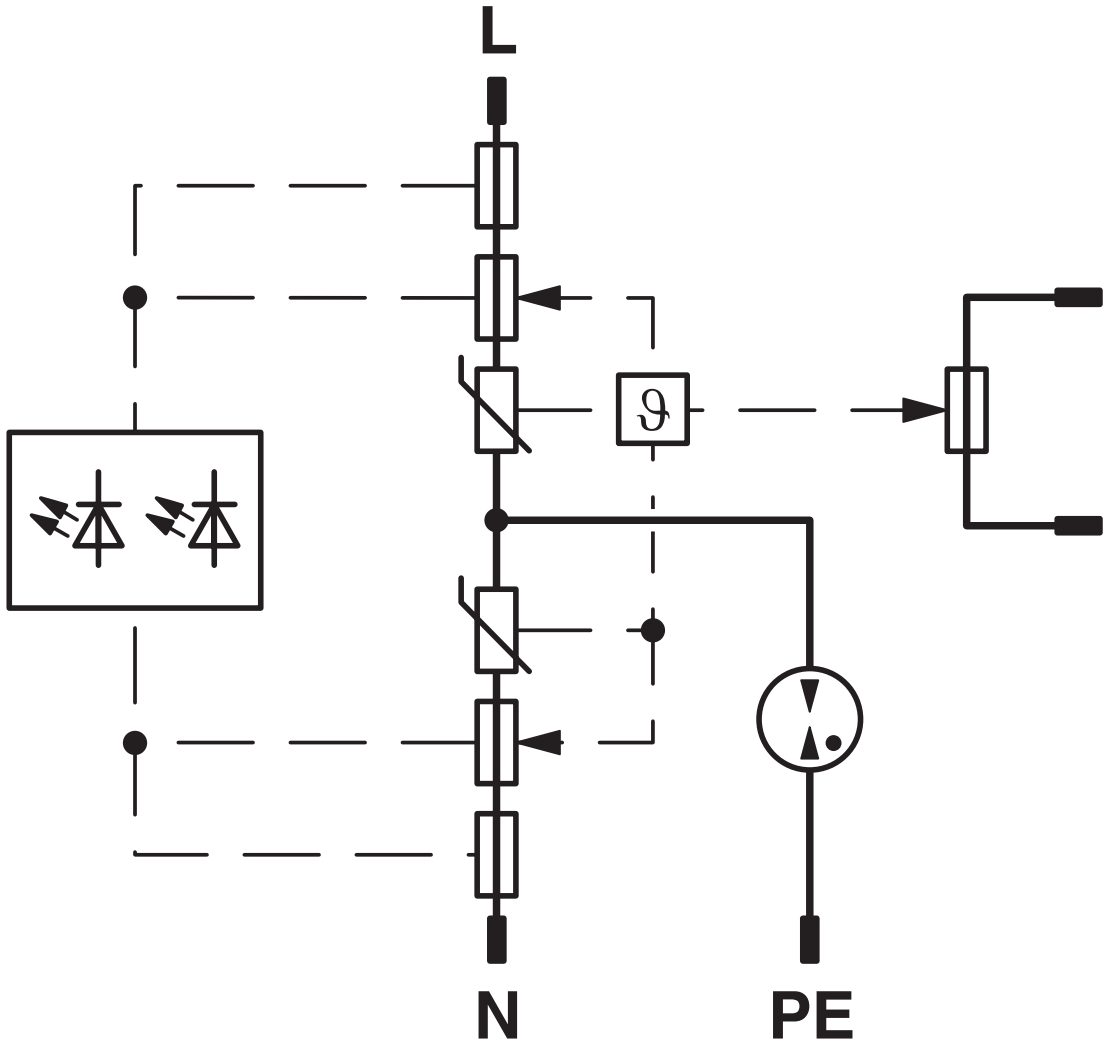
Mounting type	on base element

Drawings

Dimensional drawing



Circuit diagram



Classifications

ECLASS

ECLASS-11.0	27130890

UNSPSC

UNSPSC 21.0	39121620

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

Accessories

CLIPFIX 35 - End bracket

3022218

https://www.phoenixcontact.com/us/products/3022218



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, width: 9.5 mm, color: gray

EML (20XE)R - Label

0803452

https://www.phoenixcontact.com/us/products/0803452



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: continuous x 20 mm, Number of individual labels: 1

EML (20XE)R YE - Label

0803453

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Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: adhesive, lettering field size: continuous x 20 mm, Number of individual labels: 1

PLT-SEC-T3-24-FM-UT - Type 3 surge protection device

2907916

https://www.phoenixcontact.com/us/products/2907916



Type 3 surge protection, consisting of protective plug and base element, with integrated status indicator and remote signaling for single-phase power supply networks. Nominal voltage: 24 V AC/DC

X-PEN 0,35 - Marker pen

0811228

https://www.phoenixcontact.com/us/products/0811228



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

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