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## Type 3 surge protection plug - PLT-SEC-T3-3S-230-P - 2905236

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Replacement plug for type 3 device protection from the PLUGTRAB SEC T3 3S product range. 230 V nominal voltage.

### Why buy this product

- Varistor-based device protection
- Can be used without separate backup fuse thanks to integrated overcurrent protection
- Pluggable
- Optical status indicator via LED
- Plugs can be checked with CHECKMASTER 2

### Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 939751

### Technical data

#### Dimensions

Height	44.8 mm
Width	35.2 mm
Depth	60.9 mm
Horizontal pitch	2 Div.

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (half sinus / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 ... 150 Hz/20 cycles/axis/X, Y, Z)

#### General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012

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## Technical data

### General

IEC test classification	III
	T3
EN type	T3
SPD design	Combination type
Mode of protection	L-N
	L-PE
	N-PE
Mounting type	On base element
Color	light grey RAL 7035
Housing material	PA 6.6-FR 20% GF
	PA 6.6-FR
Degree of pollution	2
Flammability rating according to UL 94	V-0
Type	Male
Number of positions	4
Surge protection fault message	optical

### Protective circuit

Nominal voltage $U_N$	230/400 V AC (TN-S)
	230/400 V AC (TT - only in use with RCD)
Nominal frequency $f_N$	50 Hz (60 Hz)
Maximum continuous voltage $U_C$	264 V AC
Residual current $I_{PE}$	$\leq 5 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$	3 kA
Standby power consumption $P_C$	$\leq 2 VA$ (at $U_{REF}$ )
	$\leq 2.2 VA$ (at $U_C$ )
Reference test voltage $U_{REF}$	255 V AC
Combination wave $U_{OC}$	6 kV
Voltage protection level $U_p$ (L-N)	$\leq 1.4 kV$
Voltage protection level $U_p$ (L-PE)	$\leq 1.5 kV$
Voltage protection level $U_p$ (N-PE)	$\leq 1.5 kV$
TOV behavior at $U_T$ (L-N)	440 V AC (5 s / withstand mode)
	440 V AC (120 min / withstand mode)
TOV behavior at $U_T$ (L-PE)	440 V AC (5 s / withstand mode)
	440 V AC (120 min / withstand mode)
	1455 V AC (200 ms / safe failure mode)
TOV behavior at $U_T$ (N-PE)	1200 V AC (200 ms / safe failure mode)
Response time $t_A$ (L-N)	$\leq 25 ns$
Response time $t_A$ (L-PE)	$\leq 100 ns$
Response time $t_A$ (N-PE)	$\leq 100 ns$

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## Technical data

### Protective circuit

Short-circuit current rating $I_{SCCR}$	1.5 kA AC
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## Classifications

### eCl@ss

eCl@ss 5.1	27130801
eCl@ss 6.0	27130806
eCl@ss 8.0	27130806
eCl@ss 9.0	27130806

### ETIM

ETIM 5.0	EC000942
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## Approvals

### Approvals

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### Approvals

### EAC

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### Ex Approvals

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### Approvals submitted

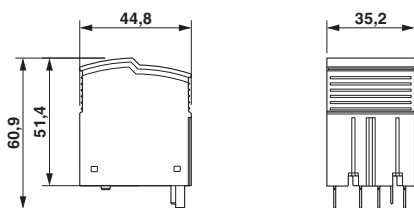
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### Approval details

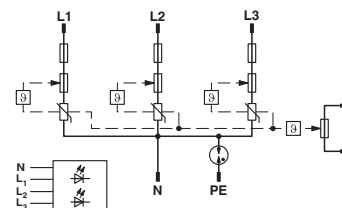
EAC
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## Drawings

Dimensional drawing



Circuit diagram



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