

## 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
GTIN	4046356939751
Weight per Piece (excluding packing)	80.000 g
Custom tariff number	85363090
Country of origin	Germany

### Technical data

#### Dimensions

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

#### Ambient conditions

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### Technical data

#### 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

IEC test classification	III
	T3
EN type	T3
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
Design	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 $I_{PE}$	≤ 5 μA
Nominal discharge current $I_n$ (8/20) μs	3 kA
Standby power consumption $P_C$	≤ 2 VA (at $U_{REF}$ )
	≤ 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)	≤ 1.4 kV
Voltage protection level $U_p$ (L-PE)	≤ 1.5 kV

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## Technical data

### Protective circuit

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

### Connection data

Connection method	pluggable
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### Standards and Regulations

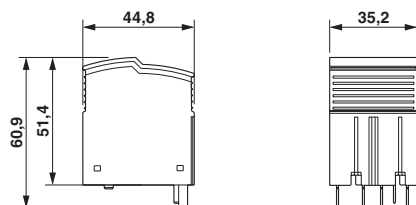
Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012

### Environmental Product Compliance

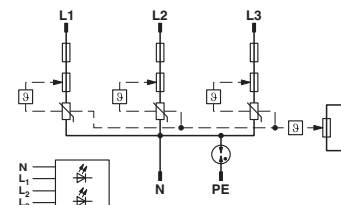
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Dimensional drawing



Circuit diagram



## Classifications

eCl@ss

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

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## Classifications

### eCl@ss

eCl@ss 9.0	27130806
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### ETIM

ETIM 5.0	EC000942
ETIM 6.0	EC000942

### UNSPSC

UNSPSC 13.2	39121620
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## Approvals

### Approvals

#### Approvals

EAC

#### Ex Approvals

### Approval details

EAC		RU C-DE.A*30.B01561
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## Accessories

### Accessories

#### Device marking

Label - EML (20XE)R - 0803452



Label, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: continuous x 20 mm

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### Accessories

Label - EML (20XE)R YE - 0803453



Label, Roll, yellow, unlabeled, can be labeled with: THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK S1.1, Mounting type: Adhesive, Lettering field: continuous x 20 mm

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### End block

End clamp - CLIPFIX 35 - 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

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### Marker pen

Marker pen - X-PEN 0,35 - 0811228



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

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### Additional products

Type 3 surge protection base element - PLT-SEC-T3-3S-BE - 2905592



Base element for protective plugs from the PLUGTRAB SEC product series with remote indication contact.