

## Type 3 surge protection plug - PLT-SEC-T3-120-P - 2905234

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Replacement plug for type 3 device protection from the PLUGTRAB SEC T3 product range. 120 V nominal voltage.

The illustration shows version PLT-SEC-T3-230-P

### Product Features

- 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 pc
Weight per Piece (excluding packing)	40.0 g
Custom tariff number	85363030
Country of origin	Germany

### Technical data

#### Dimensions

Height	60.9 mm
Width	17.5 mm
Depth	44.8 mm
Horizontal pitch	1 Div.

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C

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### Technical data

#### Ambient conditions

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	EN 61643-11 2012
IEC test classification	III
	T3
EN type	T3
SPD design	Combination type
Mode of protection	L-N
	L-PE
	N-PE
	(L+) - (L-)
	(L+/L-) - PE
Mounting type	On base element
Color	light grey RAL 7035
Housing material	PA 6.6-FR 20% GF
	PA 6.6-FR
Pollution degree	2
Flammability rating according to UL 94	V-0
Type	Male
Number of positions	2
Surge protection fault message	optical

#### Protective circuit

Nominal voltage $U_N$	120 V AC (TN-S)
	120 V AC (TT - only in use with RCD)
Nominal frequency $f_N$	50 Hz (60 Hz)
Maximum continuous voltage $U_C$	150 V AC
	150 V DC
Residual current $I_{PE}$	≤ 5 μA
Nominal discharge current $I_n$ (8/20) μs	3 kA
Standby power consumption $P_C$	≤ 150 mVA (at $U_{REF}$ )
	≤ 175 mVA (at $U_C$ )
Reference test voltage $U_{REF}$	132 V AC
Combination wave $U_{OC}$	6 kV

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### Technical data

#### Protective circuit

Voltage protection level $U_p$ (L-N)	$\leq 0.85$ kV
Voltage protection level $U_p$ (L-PE)	$\leq 0.95$ kV
Voltage protection level $U_p$ (N-PE)	$\leq 0.95$ kV
TOV behavior at $U_T$ (L-N)	240 V AC (5 s / withstand mode)
	240 V AC (120 min / withstand mode)
TOV behavior at $U_T$ (L-PE)	240 V AC (5 s / withstand mode)
	240 V AC (120 min / withstand mode)
	1332 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
	0.25 kA DC

#### UL specifications

UL class	SPD type 4CA
Maximum continuous operating voltage MCOV	150 V AC
	150 V DC
Nominal voltage	120 V DC
Mode of protection	L-N
	L-G
	N-G
	(L+) - (L-)
	(L+) - G
	(L-) - G
Power distribution system	1
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (L-N)	780 V
Measured limiting voltage MLV (L-G)	760 V
Measured limiting voltage MLV (N-G)	760 V
Measured limiting voltage MLV (L+) - (L-)	780 V
Measured limiting voltage MLV (L+) - G	760 V
Measured limiting voltage MLV (L-) - G	760 V
Nominal discharge current $I_n$	3 kA

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## Classifications

### eCl@ss

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

### ETIM

ETIM 5.0	EC000942
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## Approvals

### Approvals

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#### Approvals

KEMA-KEUR / CCA / UL Recognized / cUL Recognized / EAC / GL / cULus Recognized

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#### Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

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#### Approvals submitted

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## Approval details

KEMA-KEUR 
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CCA
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UL Recognized 
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cUL Recognized 
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EAC
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## Type 3 surge protection plug - PLT-SEC-T3-120-P - 2905234

### Approvals

GL

cULus Recognized 

### Accessories

#### Accessories

#### Device marking

Label - EML (20XE)R - 0803452



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

Label - EML (20XE)R YE - 0803453



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

### Additional products

Type 2 surge protection base element - PLT-SEC-T3-BE - 2905557

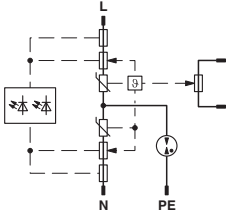


Base element for protective plugs from the PLUGTRAB SEC product series with remote indication contact.

### Drawings

## Type 3 surge protection plug - PLT-SEC-T3-120-P - 2905234

Circuit diagram



Dimensional drawing

