

## Type 3 surge protection plug - PLT-SEC-T3-24-P - 2905232

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Replacement plug for type 3 device protection from the PLUGTRAB SEC T3 product range. 24 V nominal voltage.

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

### 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 pc
Weight per Piece (excluding packing)	29.1 GRM
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 ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))

# Type 3 surge protection plug - PLT-SEC-T3-24-P - 2905232

## Technical data

### Ambient conditions

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
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 $U_N$	24 V AC (TN-S)
Nominal frequency $f_N$	50 Hz (60 Hz)
Maximum continuous voltage $U_C$	34 V AC
	34 V DC
Residual current $I_{PE}$	$\leq 5 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$	1 kA
Standby power consumption $P_C$	$\leq 30$ mVA (at $U_{REF}$ )
	$\leq 50$ mVA (at $U_C$ )
Reference test voltage $U_{REF}$	27 V AC
Combination wave $U_{OC}$	2 kV
Voltage protection level $U_p$ (L-N)	$\leq 0.25$ kV
Voltage protection level $U_p$ (L-PE)	$\leq 0.65$ kV
Voltage protection level $U_p$ (N-PE)	$\leq 0.65$ kV
TOV behavior at $U_T$ (L-N)	50 V AC (5 s / withstand mode)

## Type 3 surge protection plug - PLT-SEC-T3-24-P - 2905232

### Technical data

#### Protective circuit

	50 V AC (120 min / withstand mode)
TOV behavior at $U_T$ (L-PE)	50 V AC (5 s / withstand mode)
	50 V AC (120 min / withstand 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
	1 kA DC

#### UL specifications

UL class	SPD type 4CA
Maximum continuous operating voltage MCOV	34 V AC
	34 V DC
Nominal voltage	24 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)	290 V
Measured limiting voltage MLV (L-G)	500 V
Measured limiting voltage MLV (N-G)	500 V
Measured limiting voltage MLV (L+) - (L-)	290 V
Measured limiting voltage MLV (L+) - G	500 V
Measured limiting voltage MLV (L-) - G	500 V
Nominal discharge current $I_n$	1 kA

### Classifications

#### eCl@ss

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

#### ETIM

ETIM 5.0	EC000942
----------	----------

# Type 3 surge protection plug - PLT-SEC-T3-24-P - 2905232

## Approvals

### Approvals

---

#### Approvals

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

---

#### Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

---


#### Approvals submitted


---


### Approval details

KEMA-KEUR 

CCA


IECEE CB Scheme 

UL Recognized 

cUL Recognized 

EAC

GL

cULus Recognized 

## Type 3 surge protection plug - PLT-SEC-T3-24-P - 2905232

### 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

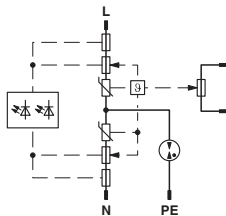
Type 2 surge protection base element - PLT-SEC-T3-BE - 2905557



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

### Drawings

Circuit diagram



Dimensional drawing

