

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

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. 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

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

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

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

Technical data

Protective circuit

Voltage protection level U_p (L-N)	≤ 0.85 kV
Voltage protection level U_p (L-PE)	≤ 0.95 kV
Voltage protection level U_p (N-PE)	≤ 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)	≤ 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
	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



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

Classifications

eCl@ss

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

ETIM

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

Approvals

Approvals

Approvals

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

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approvals submitted

Approval details

KEMA-KEUR 

CCA

UL Recognized 

cUL Recognized 

EAC

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

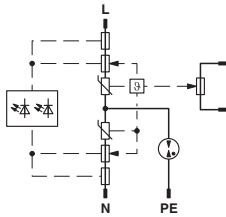


Base element for protective plugs from the PLUGTRAB SEC product series with remote indication contact.

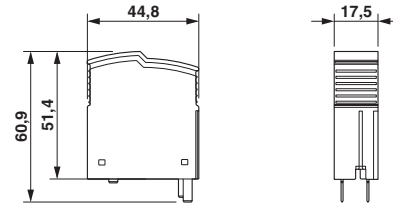
Drawings

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

Circuit diagram



Dimensional drawing



单击下面可查看定价，库存，交付和生命周期等信息

[>>Phoenix Contact\(菲尼克斯\)](#)