

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

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Replacement plug for type 3 device protection from the PLUGTRAB SEC T3 product range. 24 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 939720
GTIN	4046356939720

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))
Permissible humidity (operation)	5 % ... 95 %

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Ambient conditions

Shock (operation)	30g (Half-sine / 11 ms / 3x $\pm X$, $\pm Y$, $\pm Z$)
Vibration (operation)	5g (10 ... 150 Hz/20 cycles/axis/X, Y, Z)

General

EN type	T3
IEC power supply system	TN-S
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
Degree of pollution	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) μs	1 kA
Standby power consumption P_C	≤ 30 mVA (at U_{REF})
	≤ 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)	≤ 0.25 kV
Voltage protection level U_p (L-PE)	≤ 0.65 kV
Voltage protection level U_p (N-PE)	≤ 0.65 kV
TOV behavior at U_T (L-N)	50 V AC (5 s / withstand mode)
	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)	≤ 25 ns
Response time t_A (L-PE)	≤ 100 ns

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Protective circuit

Response time t_A (N-PE)	≤ 100 ns
Short-circuit current rating I_{SCCR}	1.5 kA AC
	1 kA DC

Connection data

Connection method	pluggable
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UL specifications

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)	560 V
Measured limiting voltage MLV (N-G)	560 V
Measured limiting voltage MLV (L+) - (L-)	290 V
Measured limiting voltage MLV (L+) - G	560 V
Measured limiting voltage MLV (L-) - G	560 V
Nominal discharge current I_n	1 kA

Standards and Regulations

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

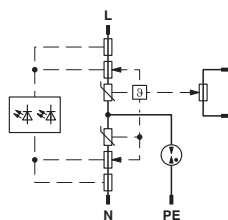
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

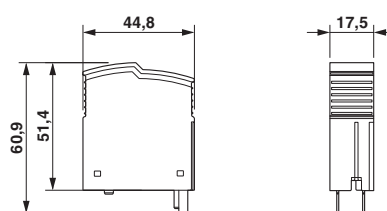
Drawings

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Circuit diagram



Dimensional drawing



Approvals

Approvals

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KEMA-KEUR / CCA / IEC EE CB Scheme / UL Recognized / cUL Recognized / EAC / GL / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approval details

KEMA-KEUR		http://www.dekra-certification.com	2173868.01
CCA			NTR-NL 7399
IECEE CB Scheme		http://www.iecee.org/	NL-35777
UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330181
EAC			RU C- DE.A*30.B01561

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Approvals

GL



<http://exchange.dnv.com/tari/>

14588-15 HH

cULus Recognized



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>

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