PLT-SEC-T3-3S-230-P - Type 3 surge protection plug

2905236

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Replacement plug for type 3 device protection from the PLUGTRAB SEC T3 3S product range. 230 V nominal voltage.

Your advantages

- Surge protection family for universal use with optimum energy coordination from the lightning current arrester to the device protection
- Easy to maintain due to consistently pluggable protection modules
- Excellent level of information provided by mechanical/visual status indicator and remote indication contact
- Your preferred connection technology can be selected as both screw connection and Push-in connection are available
- Optimal additional protection of the industrial power supply for a longer service life and increased availability of the system

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2905236
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL19
Product key	CL14A1
GTIN	4046356939751
Weight per piece (including packing)	80.9 g
Weight per piece (excluding packing)	80.9 g
Customs tariff number	85363090
Country of origin	DE

Technical data

Product properties

Product type	Replacement plug
Product family	SEC Family
IEC power supply system	TN-S
	TT
Type	Male
Number of positions	4
Surge protection fault message	optical

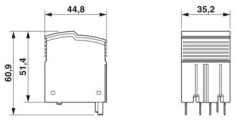
Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	III
	T3
EN type	T3

Connection data

Connection method	pluggable

Dimensions

Dimensional drawing	
Width	35.2 mm
Height	44.8 mm
Depth	60.9 mm
Horizontal pitch	2 HP

Material specifications

Color	light gray (RAL 7035)
Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6-FR 20% GF
	PA 6.6-FR
Material group	I
Housing material	PA 6.6-FR 20 % GF
	PA 6.6-FR

Protective circuit

	L-N

Mode of protection	L-PE
	N-PE
Direction of action	3L-N & N-PE
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 operating voltage U_C	264 V AC
Protective conductor current I_{PE}	≤ 5 µA
Standby power consumption P_C	≤ 2 VA (at U_{REF})
	≤ 2.2 VA (at U_C)
Reference test voltage U_{REF}	255 V AC
Nominal discharge current I_n (8/20) µs	3 kA
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
Voltage protection level U_p (N-PE)	≤ 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)	≤ 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

Environmental and real-life conditions

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)
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (10 Hz ... 150 Hz / 20 cycles/axis / X, Y, Z)

Standards and regulations

Standards/specifications	IEC 61643-11
Note	2011

EN 61643-11

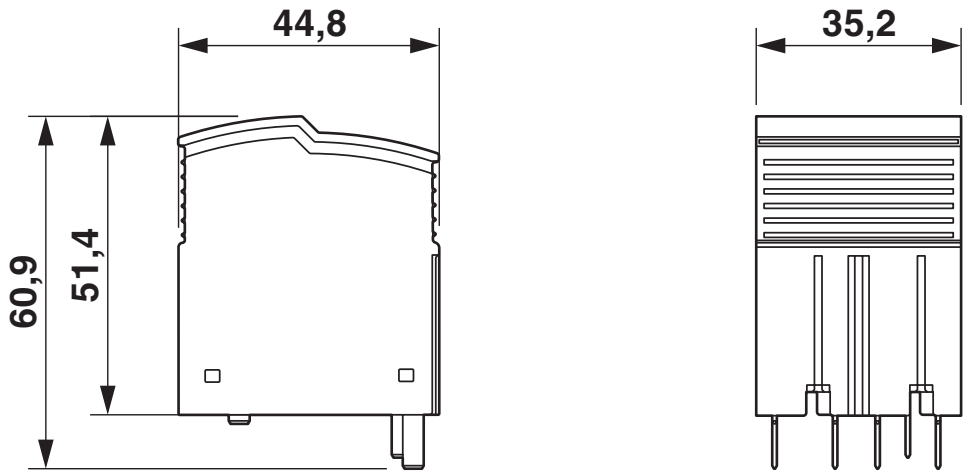
Standards/specifications	EN 61643-11
Note	2012

Mounting

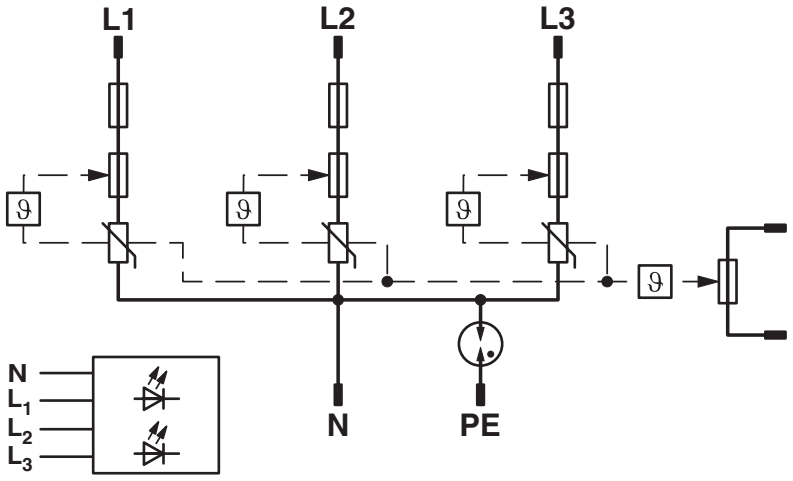
Mounting type	on base element

Drawings

Dimensional drawing



Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2905236

UAE-RoHS
Approval ID: 23-10-88891

Classifications

ECLASS

ECLASS-13.0	27171292
ECLASS-15.0	27171292

ETIM

ETIM 10.0	EC002496

UNSPSC

UNSPSC 21.0	39121600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol(CAS: 119-47-1)
SCIP	4f7e9bd0-7ece-427a-afe7-fa1cd335e1ac

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