

PLT-SEC-T3-BE-FM-UT - Type 3 surge protection base element

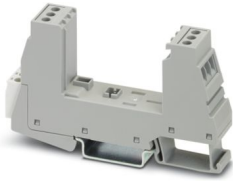


2907924

<https://www.phoenixcontact.com/us/products/2907924>

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Base element for protective plugs from the PLT-SEC-...-UT/PT product series with remote indication contact.



Commercial data

Item number	2907924
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	CL19
Product key	CL14A2
Catalog page	Page 82 (C-4-2019)
GTIN	4055626257709
Weight per piece (including packing)	52.4 g
Weight per piece (excluding packing)	48 g
Customs tariff number	85363030
Country of origin	DE

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Technical data

Product properties

IEC power supply system	TN-S
	TT
Type	DIN rail module, two-section, divisible
Product type	Base element
Product family	SEC Family
Number of positions	2
Surge protection fault message	Remote indication contact

Insulation characteristics

Overvoltage category	III
Pollution degree	2
IEC test classification	II / III
	T2 / T3
EN type	T2 / T3
Number of ports	One

Electrical properties

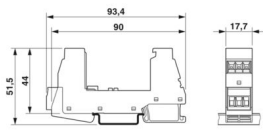
Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	Changeover contact
Operating voltage	250 V AC
	125 V DC (200 mA DC)
Operating current	0.5 A AC
	0.5 A DC (75 V DC)

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section AWG	24 ... 12

Dimensions

Dimensional drawing	
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Width	17.7 mm
Height	93.4 mm
Depth	51.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

Material specifications

Color (Male connector)	light grey (RAL 7035)
Color (Base element)	gray (RAL 7042)
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
Housing material	PA 6.6-FR 20 % GF PA 6.6-FR

Mechanical properties

Mechanical data

Open side panel	No
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Protective circuit

Direction of action	1L-N & N-PE
Nominal voltage U_N	240 V AC (TN-S) 240 V AC (TT)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	264 V AC
Rated load current I_L	26 A (at 30 °C)
Short-circuit current rating I_{SCCR}	10 kA AC
Max. backup fuse with branch wiring	depends on the plug used

Additional technical data

Short-circuit current rating I_{SCCR}	max. 5 kA DC (depends on the plug used)
Maximum continuous voltage U_C	240 V DC

Environmental and real-life conditions

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)
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	30g (Half-sine / 11 ms / 3x ±X, ±Y, ±Z)
Vibration (operation)	5g (5 ... 500 Hz / 2.5 h / X, Y, Z)

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Approvals

UL specifications

Nominal voltage	240 V DC
Rated load current I_L	20 A
Power distribution system	Single phase
	DC
Nominal frequency	50/60 Hz
SPD Type	ACC

UL indicator/remote signaling

Operating voltage	250 V AC (0.5 A)
DC operating voltage	12 V DC (4 A)
	24 V DC (2 A)
	48 V DC (1 A)

UL connection data

Tightening torque	4.4 lb _f -in.
Conductor cross section AWG	16 ... 12

Standards and regulations

Standards/specifications	IEC 61643-11
Note	2011

EN 61643-11

Standards/specifications	EN 61643-11
Note	2012

Mounting

Mounting type	DIN rail: 35 mm
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Classifications

ECLASS

ECLASS-11.0	27130803
ECLASS-13.0	27171292

ETIM

ETIM 8.0	EC000472
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UNSPSC

UNSPSC 21.0	39121600
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Environmental product compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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