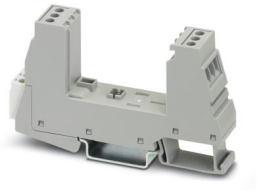
PLT-SEC-T3-BE-FM-UT - Type 3 surge protection base element

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.

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	2907924
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	CL19
Product key	CL14A2
GTIN	4055626257709
Weight per piece (including packing)	52.15 g
Weight per piece (excluding packing)	48 g
Customs tariff number	85363030
Country of origin	DE

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

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Technical data

Product properties

Product type	Base element
Product family	SEC Family
IEC power supply system	TN-S
	TT
Type	DIN rail module, two-section, divisible
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

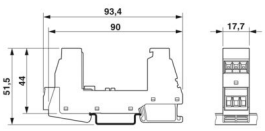
Indicator/remote signaling

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 mm² ... 2.5 mm²
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section AWG	24 ... 12

Dimensions

Dimensional drawing	

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

Material specifications

Color (Male connector)	light gray (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

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 operating 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
Maximum backup fuse for through wiring	25 A (gG / B / C)
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 operating 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)

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

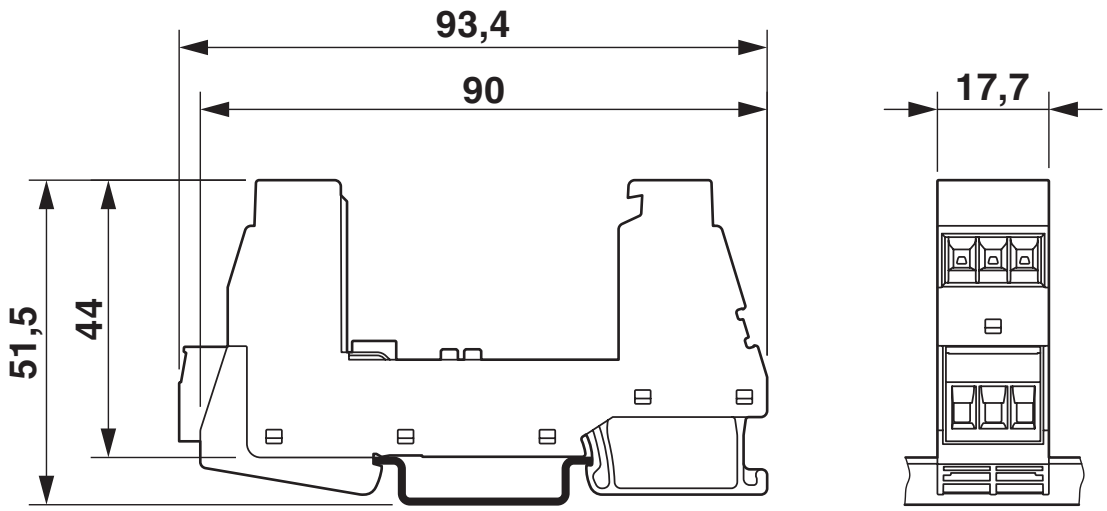
Standards/specifications	EN 61643-11
Note	2012

Mounting

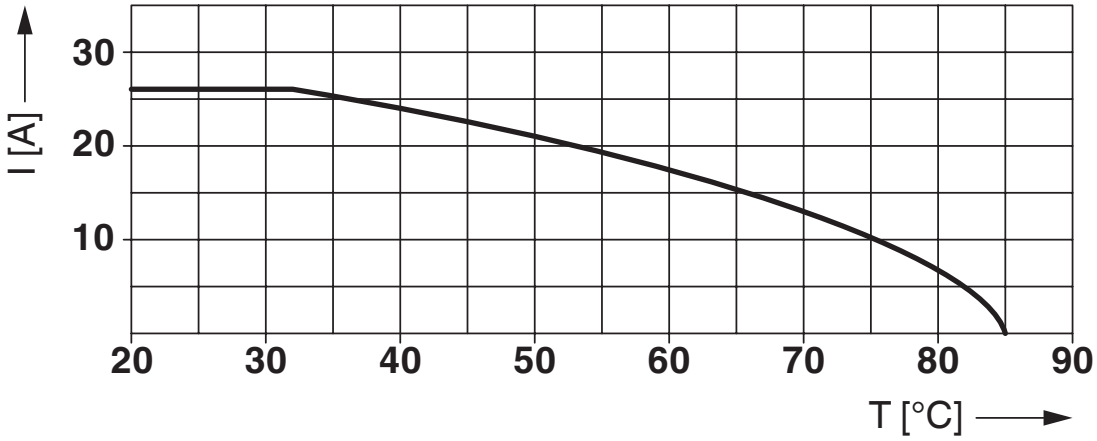
Mounting type	DIN rail: 35 mm

Drawings

Dimensional drawing

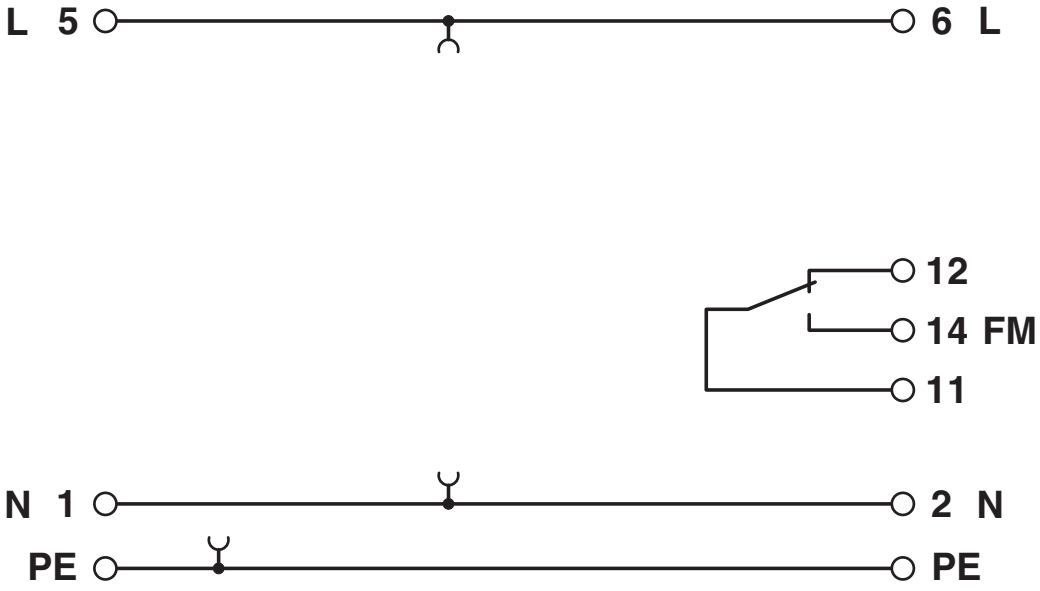


Diagram



Nominal current depending on ambient temperature

Circuit diagram



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, No exemptions

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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