

# Type 3 surge protection base element - PLT-SEC-T3-BE-FM-UT - 2907924


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



COMPLETE RoHS

## Key Commercial Data

Packing unit	10 pc
GTIN	 4 055626 257709
GTIN	4055626257709
Weight per Piece (excluding packing)	48.000 g
Custom tariff number	85363030
Country of origin	Germany

## Technical data

### Dimensions

Height	93.4 mm
Width	17.7 mm
Depth	51.5 mm (incl. DIN rail 7.5 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 %
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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## Technical data

### General

EN type	T2 / T3
IEC power supply system	TN-S
	TT
Number of ports	One
Mounting type	DIN rail: 35 mm
Color	light grey RAL 7035
	traffic grey A RAL 7042
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	DIN rail module, two-section, divisible
Number of positions	2
Surge protection fault message	Remote indication contact

### Protective circuit

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

### 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

### Indicator/remote signaling

Switching function	PDT 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 method	Screw connection
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	30 ... 12
Screw thread	M3
Tightening torque	0.5 Nm

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## Technical data

### Indicator/remote signaling

Stripping length	10 mm
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### Connection data

Connection method	Screw connection
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	10 mm

### UL specifications

SPD Type	ACC
Nominal voltage	240 V DC
Rated load current I <sub>L</sub>	20 A
Power distribution system	Single phase
	DC
Nominal frequency	50/60 Hz

### UL indicator/remote signaling

Operating voltage	250 V AC (0.5 A)
	12 V DC (4 A)
	24 V DC (2 A)
	48 V DC (1 A)
Tightening torque	5 lb <sub>f</sub> -in. ... 7 lb <sub>f</sub> -in.
Conductor cross section AWG	30 ... 12

### UL connection data

Conductor cross section AWG	16 ... 12
Tightening torque	4.4 lb <sub>f</sub> -in.

### Standards and Regulations

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

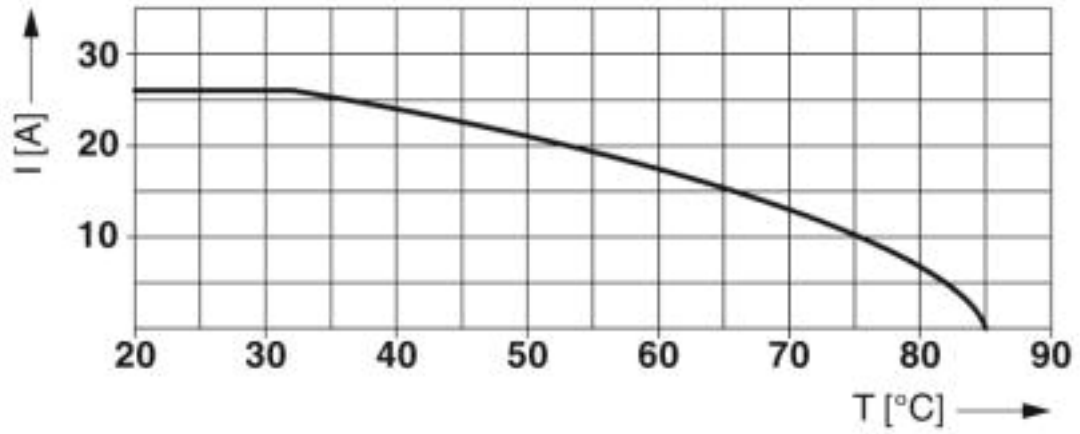
### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

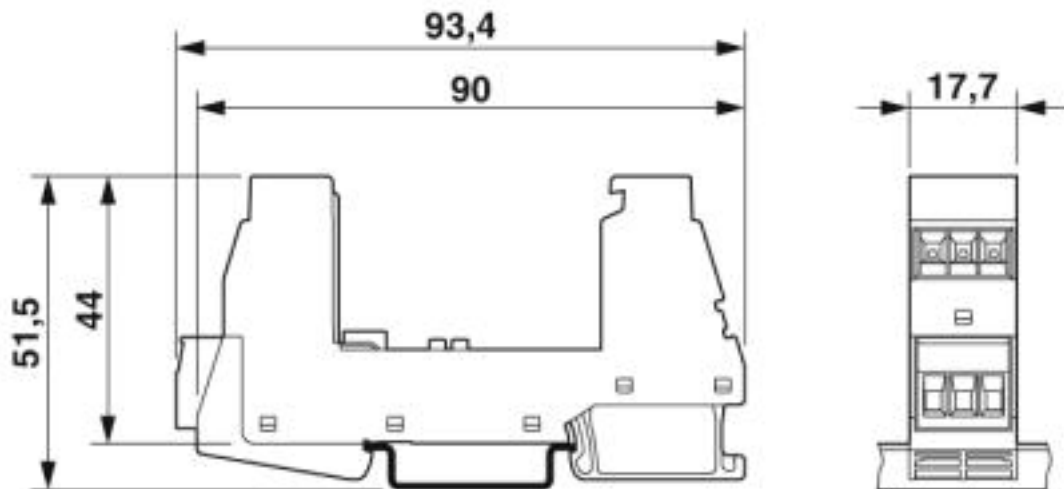
# Type 3 surge protection base element - PLT-SEC-T3-BE-FM-UT - 2907924

Diagram



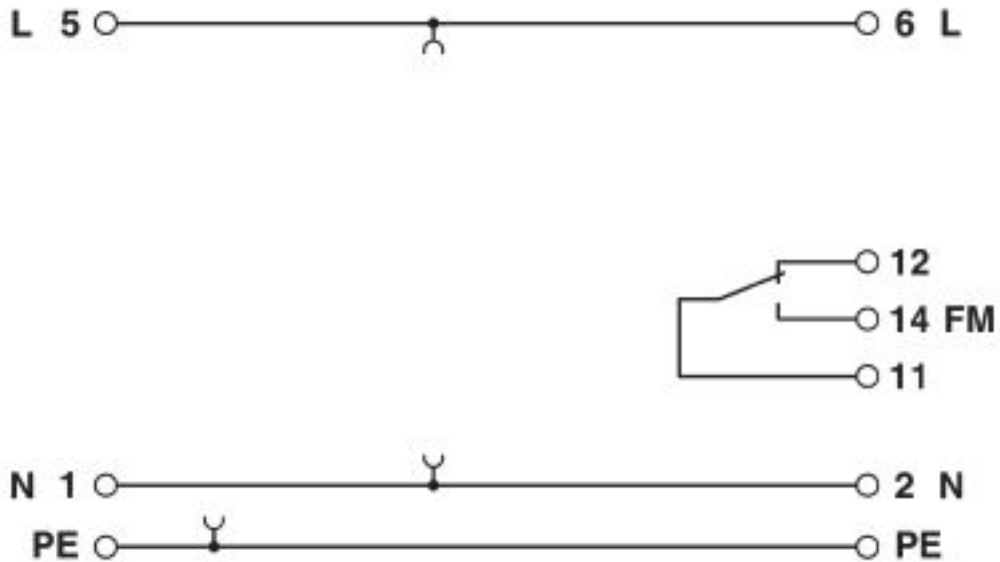
Nominal current depending on ambient temperature

Dimensional drawing



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Circuit diagram



## Classifications

eCl@ss

eCl@ss 6.0	27130800
eCl@ss 7.0	27130803
eCl@ss 8.0	27130803
eCl@ss 9.0	27130803

ETIM

ETIM 5.0	EC000472
ETIM 6.0	EC000472
ETIM 7.0	EC000472

## Approvals

Approvals

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DNV GL / CCA / UL Recognized / KEMA-KEUR / cUL Recognized / IECCE CB Scheme / EAC / CSA / cULus Recognized

Ex Approvals

UL Recognized / cUL Recognized / cULus Recognized

Approval details

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## Approvals

DNV GL		<a href="https://approvalfinder.dnvgl.com/">https://approvalfinder.dnvgl.com/</a>	TAE00002U7
CCA			NTR-NL 7676
UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 330181
KEMA-KEUR		<a href="http://www.dekra-certification.com">http://www.dekra-certification.com</a>	71-103027
cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 330181
IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	NL-51083
EAC			RU C-DE.A*30.B01561
CSA		<a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a>	70194378
cULus Recognized			

## Accessories

## Additional products

## Type 3 surge protection base element - PLT-SEC-T3-BE-FM-UT - 2907924

### Accessories

Type 3 surge protection plug - PLT-SEC-T3-24-P-UT/PT - 2907920



Replacement plug for type 3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 24 V.

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Type 3 surge protection plug - PLT-SEC-T3-60-P-UT/PT - 2907921



Replacement plug for type 3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 60 V.

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Type 3 surge protection plug - PLT-SEC-T3-120-P-UT/PT - 2907922



Replacement plug for type 2/3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 120 V.

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Type 3 surge protection plug - PLT-SEC-T3-230-P-UT/PT - 2907923



Replacement plug for type 2/3 surge protection from the PLT-SEC-...-UT/PT product series. Nominal voltage 230 V.

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