

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



2907924

<https://www.phoenixcontact.com/de/produkte/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	1 pc
Sales Key	K1 - Überspannungsschutz
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 solid	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	light grey RAL 7035
	traffic grey A 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 (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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Approval data

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

AC 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
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EN 61643-11

Standards/specifications	EN 61643-11
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Mounting

Mounting type	DIN rail: 35 mm
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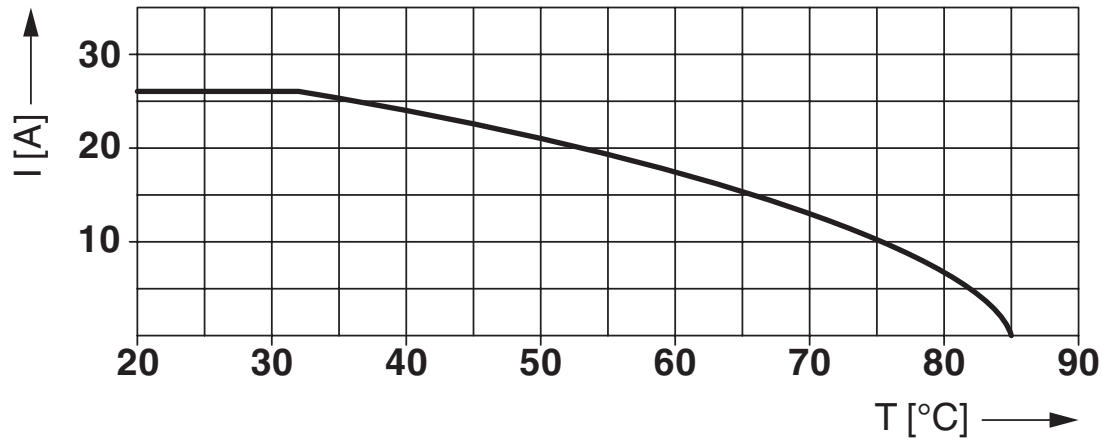
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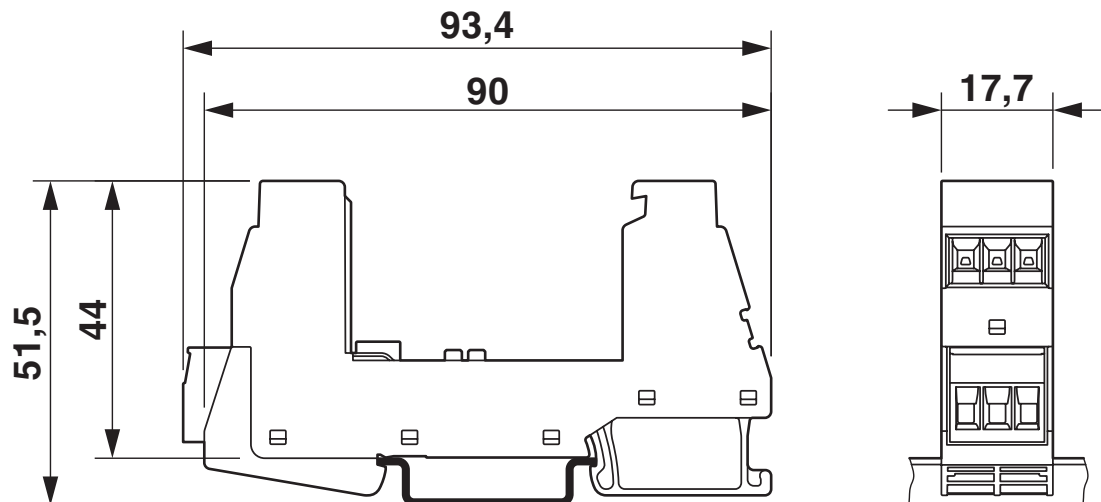
Drawings

Diagram



Nominal current depending on ambient temperature

Dimensional drawing



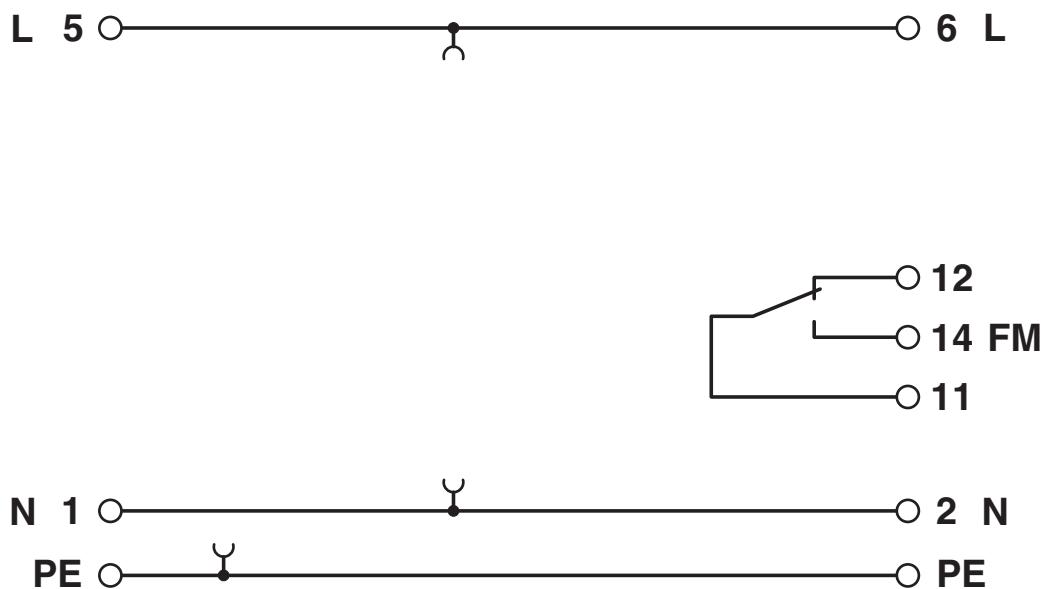
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Circuit diagram



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Approvals



cUL Recognized
Approval ID: FILE E 330181



UL Recognized
Approval ID: FILE E 330181



IECEE CB Scheme
Approval ID: NL-51083



EAC
Approval ID: RU C-DE.*09.B.00169

CCA

Approval ID: NTR-NL 7676

Nominal Voltage U_N

Nominal Current I_N

Cross Section AWG

Cross Section mm^2

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KEMA-KEUR
Approval ID: 71-103027



DNV GL
Approval ID: TAE00002U7

Nominal Voltage U_N

Nominal Current I_N

Cross Section AWG

Cross Section mm^2

-

-



CSA
Approval ID: 13631



cUL Recognized
Approval ID: FILE E 340736

Nominal Voltage U_N

Nominal Current I_N

Cross Section AWG

Cross Section mm^2

-

-



UL Recognized
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	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
			-	-

cULus Recognized

cULus Recognized

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Classifications

ECLASS

ECLASS-9.0	27130803
ECLASS-10.0.1	27130803
ECLASS-11.0	27130803

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 = 50 years

For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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Accessories

Type 3 surge protection plug

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

<https://www.phoenixcontact.com/de/produkte/2907920>



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

Type 3 surge protection plug

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

<https://www.phoenixcontact.com/de/produkte/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

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

<https://www.phoenixcontact.com/de/produkte/2907922>



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

Type 3 surge protection plug

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

<https://www.phoenixcontact.com/de/produkte/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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