

2906488

<https://www.phoenixcontact.com/us/products/2906488>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Pluggable device protection, according to type 3/Class III, for 1-phase power supply networks with separate N and PE (3-conductor system: L1, N, PE) with remote indication contact.

Commercial data

Item number	2906488
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CLP311
GTIN	4055626082080
Weight per piece (including packing)	80.4 g
Weight per piece (excluding packing)	80.4 g
Country of origin	DE

PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

Technical data

Notes

General

Note	PLT-T3-60-FM must not be used in DC applications with grounded positive pole.
------	---

Product properties

Product type	Device protection
IEC power supply system	TT
Type	DIN rail module, two-section, divisible
Number of positions	2
Surge protection fault message	Optical, remote indicator contact

Insulation characteristics

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

Electrical properties

Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	N/C contact
Operating voltage	250 V AC
	125 V DC (200 mA DC)
Operating current	3 A AC
	1 A DC (30 V DC)

Connection data

Connection method	Screw connection
Screw thread	M3
Tightening torque	0.8 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

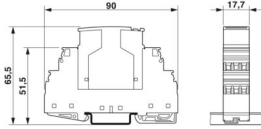
Dimensions

PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

Dimensional drawing	
Width	17.7 mm
Height	90 mm
Depth	65.5 mm
Horizontal pitch	1 Div.

Material specifications

Flammability rating according to UL 94	V-0
CTI value of material	600
Insulating material	PA 6.6
Housing material	PA 6.6

Protective circuit

Mode of protection	L-N
	L-PE
	N-PE
	(L+) - (L-)
	(L+/L-) - PE
Direction of action	1L-N & N-PE
Nominal voltage U_N	60 V AC (TN-S)
Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous voltage U_C	100 V AC
	80 V DC
Rated load current I_L	16 A AC (at 63 °C)
	10 A DC
Residual current I_{PE}	$\leq 5 \mu A$
Standby power consumption P_C	$\leq 180.00 \text{ mVA}$
Reference test voltage U_{REF}	66 V AC
Nominal discharge current I_n (8/20) μs	2 kA
Combination wave U_{OC}	4 kV
Voltage protection level U_p (L-N)	$\leq 0.4 \text{ kV}$
Voltage protection level U_p (L-PE)	$\leq 0.7 \text{ kV}$
Voltage protection level U_p (N-PE)	$\leq 0.7 \text{ kV}$
Residual voltage at I_{amax} , (L-N)	$\leq 0.42 \text{ kV}$ (at I_n)
Residual voltage at I_{amax} , (L-PE)	$\leq 0.25 \text{ kV}$ (at I_n)
Residual voltage at I_{amax} , (PE)	$\leq 0.25 \text{ kV}$ (at I_n)
TOV behavior at U_T (L-N)	105 V AC (5 s / withstand mode)
TOV behavior at U_T (L-PE)	105 V AC (5 s / withstand mode)
Response time t_A (L-N)	$\leq 25 \text{ ns}$
Response time t_A (L-PE)	$\leq 100 \text{ ns}$

PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

Response time t_A (N-PE)	≤ 100 ns
Short-circuit current rating I_{SCCR}	1.5 kA AC
	1 kA DC
Max. backup fuse with branch wiring	16 A AC (B)
	10 A DC (gG)

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 %

Approvals

UL specifications

Maximum continuous operating voltage MCOV	100 V AC
Nominal discharge current I_n	2 kA
Mode of protection	L-N
	L-G
	N-G
Power distribution system	Single phase
Nominal frequency	50/60 Hz
Measured limiting voltage MLV (L-N)	500 V
Measured limiting voltage MLV (L-G)	900 V
Measured limiting voltage MLV (N-G)	900 V
SPD Type	4CA

UL connection data

Tightening torque	5 lb _F in. ... 7 lb _F in.
Conductor cross section AWG	14 ... 12

Standards and regulations

Standards/specifications	EN 61643-11
Note	2012

Mounting

Mounting type	DIN rail: 35 mm
---------------	-----------------

PLT-T3-60-FM - Type 3 surge protection device

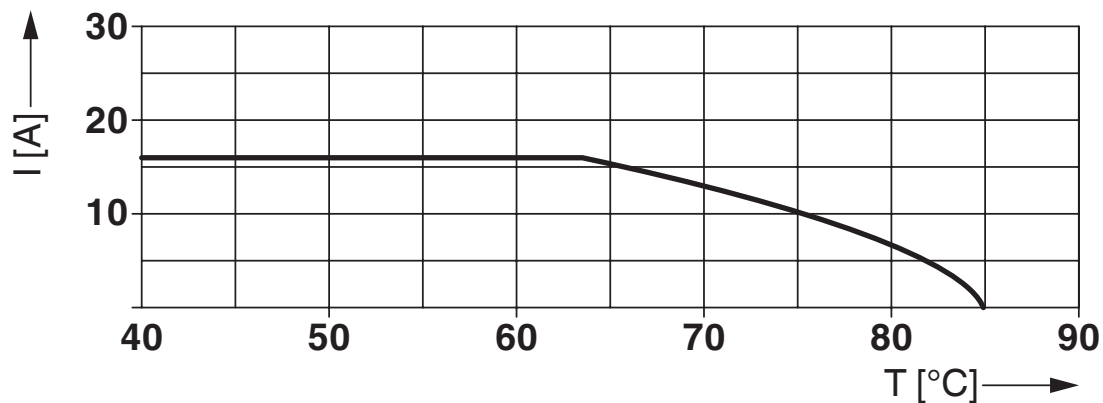


2906488

<https://www.phoenixcontact.com/us/products/2906488>

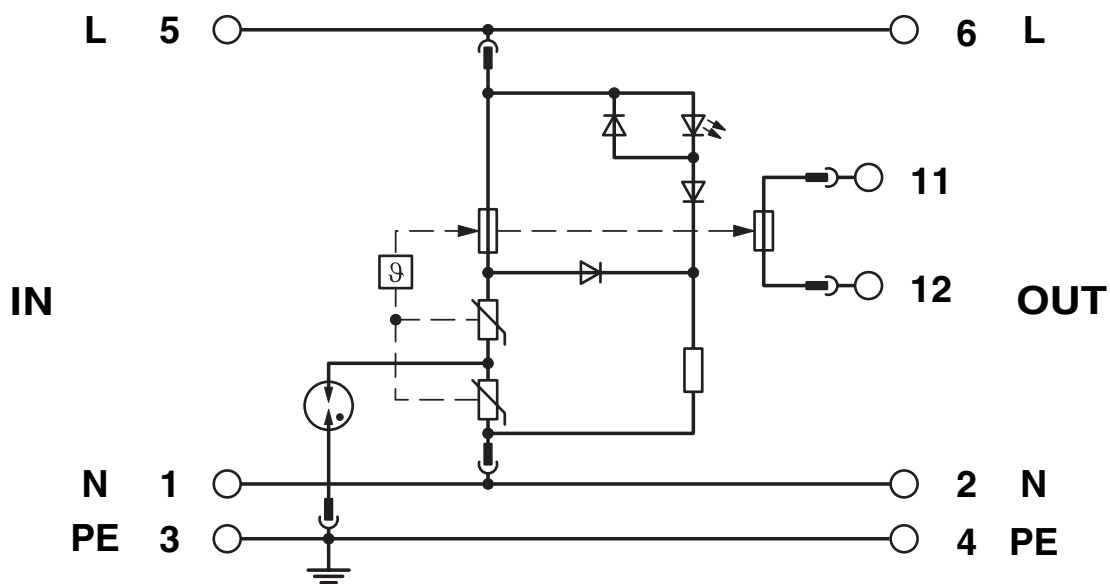
Drawings

Diagram



Nominal current depending on ambient temperature

Circuit diagram



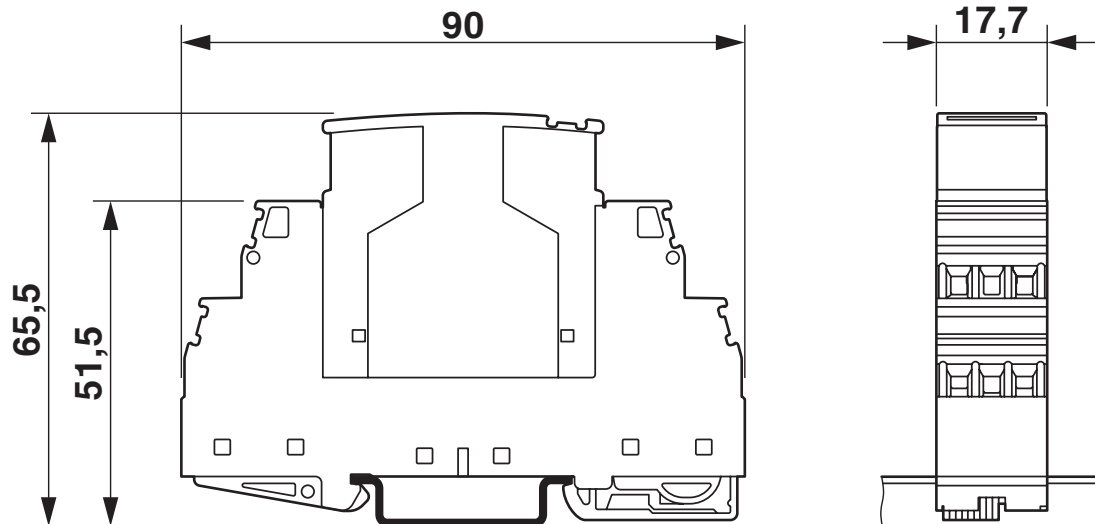
PLT-T3-60-FM - Type 3 surge protection device

2906488

<https://www.phoenixcontact.com/us/products/2906488>



Dimensional drawing



PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

Environmental product compliance

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.)	No substance above 0.1 wt%

PLT-T3-60-FM - Type 3 surge protection device

2906488

<https://www.phoenixcontact.com/us/products/2906488>



Accessories

X-PEN 0,35 - Marker pen

0811228

<https://www.phoenixcontact.com/us/products/0811228>



Marker pen without ink cartridge, for manual labeling of markers, labeling extremely wipe-proof, line thickness 0.35 mm

ZBF 5:UNBEDRUCKT - Zack Marker strip, flat

0808642

<https://www.phoenixcontact.com/us/products/0808642>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.1 x 5.2 mm, Number of individual labels: 10

PLT-T3-60-FM - Type 3 surge protection device

2906488

<https://www.phoenixcontact.com/us/products/2906488>



ZBF 5/WH-100:UNBEDRUCKT - Zack Marker strip, flat

0808668

<https://www.phoenixcontact.com/us/products/0808668>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 1000

ZBF 5,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0808671

<https://www.phoenixcontact.com/us/products/0808671>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 491 ... 500, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

ZBF 5,LGS:GERADE ZAHLEN - Zack Marker strip, flat

0810821

<https://www.phoenixcontact.com/us/products/0810821>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive even numbers 2 ... 20, 22 ... 40, etc. up to 82 ... 100, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

ZBF 5,LGS:UNGERADE ZAHLEN - Zack Marker strip, flat

0810863

<https://www.phoenixcontact.com/us/products/0810863>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: Odd numbers 1 - 19, 21 - 39, etc. up to 81 - 99, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

ZBF 5,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0808697

<https://www.phoenixcontact.com/us/products/0808697>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 5 mm, lettering field size: 5.15 x 5.15 mm, Number of individual labels: 10

ZBN 18:UNBEDRUCKT - Zack marker strip

2809128

<https://www.phoenixcontact.com/us/products/2809128>



Zack marker strip, Strip, white, unlabeled, can be labeled with: CMS-P1-PLOTTER, PLOTMARK, mounting type: snapped, for terminal block width: 18 mm, lettering field size: 18 x 5 mm, Number of individual labels: 5

PLT-T3-60-FM - Type 3 surge protection device



2906488

<https://www.phoenixcontact.com/us/products/2906488>

SSA 3-6 - Shield connection

2839295

<https://www.phoenixcontact.com/us/products/2839295>

Shield fast connection for 3 ... 6 mm cable diameter. Potential connecting cable:
200 mm, 1 mm², color: black



SSA 5-10 - Shield connection

2839512

<https://www.phoenixcontact.com/us/products/2839512>

Shield fast connection for 5 ... 10 mm cable diameter. Potential connecting cable:
200 mm, 1 mm², color: black



PLT-T3-60-FM - Type 3 surge protection device

2906488

<https://www.phoenixcontact.com/us/products/2906488>



PLT-T3-60-P - Type 3 surge protection plug

2906493

<https://www.phoenixcontact.com/us/products/2906493>



Replacement plug for type 3 device protection from the PLUGTRAB T3 product range. 60 V nominal voltage.

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com