



**Automatización Eléctrica**  
Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#). [HERE](#)

## Type 3 surge protection device - PLT-T3-IT-230-FM - 2906450

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Surge protection type 3, as device protection for termination devices in IT systems, error indication and remote indicator contact. Design: 230 V AC



### Key Commercial Data

Packing unit	1 STK
GTIN	 4 055626 077338

### Technical data

#### Dimensions

Height	90 mm
Width	17.7 mm
Depth	65.5 mm

#### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %

#### General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	III
	T3
EN type	T3
Number of ports	One
SPD design	Combination type

# Type 3 surge protection device - PLT-T3-IT-230-FM - 2906450

## Technical data

### General

Mode of protection	L-L
	L-PE
Mounting type	DIN rail: 35 mm
Color	jet black RAL 9005
Housing material	PA 6.6
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	Optical, remote indicator contact

### Protective circuit

Nominal voltage $U_N$	230 V AC (IT)
Nominal frequency $f_N$	50 Hz (60 Hz)
Maximum continuous operating voltage $U_C$ (L-N)	275 V AC
Maximum continuous operating voltage $U_C$ (L-PE)	440 V AC
Rated load current $I_L$	16 A (60°C)
Residual current $I_{PE}$	$\leq 1 \mu A$
Nominal discharge current $I_n$ (8/20) $\mu s$	3 kA
Standby power consumption $P_C$	$\leq 340$ mVA
Reference test voltage $U_{REF}$	255 V AC
Max. discharge current $I_{max}$ (8/20) $\mu s$	8 kA
Combination wave $U_{OC}$	6 kV
Voltage protection level $U_p$ (L-N)	$\leq 1.2$ kV
Voltage protection level $U_p$ (L-PE)	$\leq 1.5$ kV
TOV behavior at $U_T$ (L-PE)	440 V AC (120 min / withstand mode)
	1455 V AC (200 ms / safe failure mode)
Response time $t_A$ (L-N)	$\leq 25$ ns
Response time $t_A$ (L-PE)	$\leq 100$ ns
Max. required back-up fuse	16 A (MCB-B)
Short-circuit current rating $I_{SCCR}$	1.5 kA AC
Max. backup fuse with branch wiring	16 A (MCB-B)
Maximum backup fuse for through wiring	16 A (MCB-B)

### Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	N/C contact
Operating voltage	250 V AC
Operating current	3 A
Connection method	Screw connection
Screw thread	M3

# Type 3 surge protection device - PLT-T3-IT-230-FM - 2906450

## Technical data

### Indicator/remote signaling

Tightening torque	0.8 Nm
Stripping length	8 mm
Conductor cross section flexible min.	2.5 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section solid min.	2.5 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Connection data

Connection method	Screw connection
Conductor cross section flexible min.	2.5 mm <sup>2</sup>
Conductor cross section flexible max.	4 mm <sup>2</sup>
Conductor cross section solid min.	2.5 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12
Screw thread	M3
Tightening torque	0.8 Nm
Stripping length	8 mm

## Classifications

### eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130806
eCl@ss 7.0	27130806
eCl@ss 8.0	27130803

### ETIM

ETIM 2.0	EC000942
ETIM 3.0	EC000942
ETIM 4.0	EC000942
ETIM 5.0	EC000942

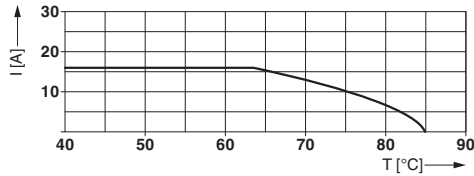
### UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610
UNSPSC 13.2	39121620

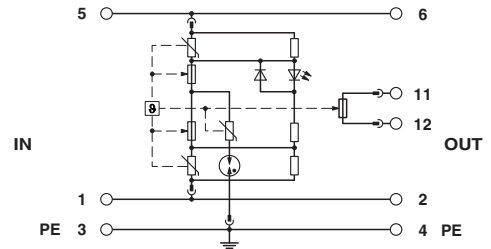
# Type 3 surge protection device - PLT-T3-IT-230-FM - 2906450

## Drawings

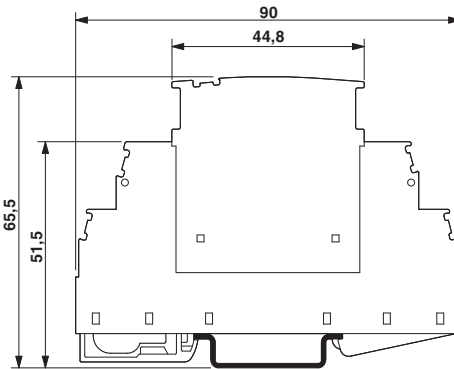
Diagram



Circuit diagram



Dimensional drawing



Phoenix Contact 2016 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>



**Automatización Eléctrica**  
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button.](#)

Product	Code	Reference	Product link
Surge protection type 3, as device protection for termination devices in IT systems, error indication and remote indicator contact. Design: 230 V AC	2906450	PLT-T3-IT-230-FM	<a href="#">Buy on EAN</a>