

# PT-IQ-PTB-UT - Supply and remote module



2800768

<https://www.phoenixcontact.com/us/products/2800768>

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Module for power supply and multi-stage, floating remote signaling of connected surge protection modules.

## Your advantages

- Predictive monitoring with 3-stage LED display
- Integration of the status message into the system controller via group remote signaling
- Install quickly and error-free with DIN rail connectors
- Supply of up to 28 protective devices due to high feed-in power
- Maximum ease of maintenance, thanks to the 2-piece design

## Commercial data

Item number	2800768
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	CL22
Product key	CL2151
GTIN	4046356647984
Weight per piece (including packing)	124 g
Weight per piece (excluding packing)	78 g
Customs tariff number	85363010
Country of origin	DE

## Technical data

### Notes

General	Remote signaling as well as the power supply of the DIN rail connector are established by snapping the module into place on the DIN rail connector.
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### Product properties

Product type	Surge protection for MCR technology
Product family	PLUGTRAB IQ
Type	DIN rail module, two-section, divisible

### Insulation characteristics

Overvoltage category	II
Pollution degree	2

### Electrical properties

#### Indicator/remote signaling

Switching function	2x N/C contacts
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#### Supply: Status indicator/remote signaling

Operating voltage	20 V DC ... 30 V DC
Rated current	max. 130 mA (24 V DC)
	max. 160 mA (20 V DC)
Max. required back-up fuse	500 mA (T)
Number of surge protection modules that can be mounted side by side	28 (32 °C)

### Connection data

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

### Ex data

Altitude	≤ 2000 m (amsl)
Ambient temperature (operation)	-40 °C ... 50 °C (T6)
	-40 °C ... 70 °C (T4)
Number of surge protection modules that can be mounted side	max. 10

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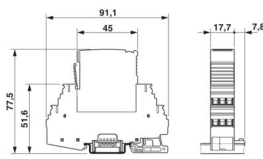


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by side	
Operating voltage	20 V DC ... 30 V DC
Nominal current $I_N$	max. 130 mA (at 20 V DC)
max. input voltage $U_m$	35 V DC
Maximum switching voltage $U_m$	60 V DC

## Dimensions

Dimensional drawing	
Width	17.7 mm
Height	91.1 mm
Depth	77.5 mm (incl. DIN rail 7.5 mm)
Horizontal pitch	1 Div.

## Material specifications

Color	black (RAL 9005)
Flammability rating according to UL 94	V-0
Housing material	PA 6.6

## Mechanical properties

### Mechanical data

Open side panel	No
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## Protective circuit

Surge protection fault message	Optical, multi-stage remote indication contact
Max. required back-up fuse	500 mA (F)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Altitude	≤ 4000 m (amsl)
Permissible humidity (operation)	5 % ... 95 %

## Standards and regulations

Standards/specifications	EN 61000-6-2
Note	2005
Standards/specifications	EN 61000-6-3
Note	2007 + A1:2011

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Standards/specifications	EN 60950-1
Note	2006 + A2:2013
Standards/specifications	EN 60079-0
Note	2018
Standards/specifications	EN 60079-11
Note	2012
Standards/specifications	EN 60079-15
Note	2010
Standards/specifications	IEC 60079-0
Note	2017
Standards/specifications	IEC 60079-11
Note	2011
Standards/specifications	IEC 60079-15
Note	2010
Standards/specifications	GB/T 3836.1
Note	2021
Standards/specifications	GB/T 3836.3
Note	2021
Standards/specifications	GB/T 3836.4
Note	2021
Standards/specifications	GB/T 3836.8
Note	2021

## Mounting

Mounting type	DIN rail: 35 mm
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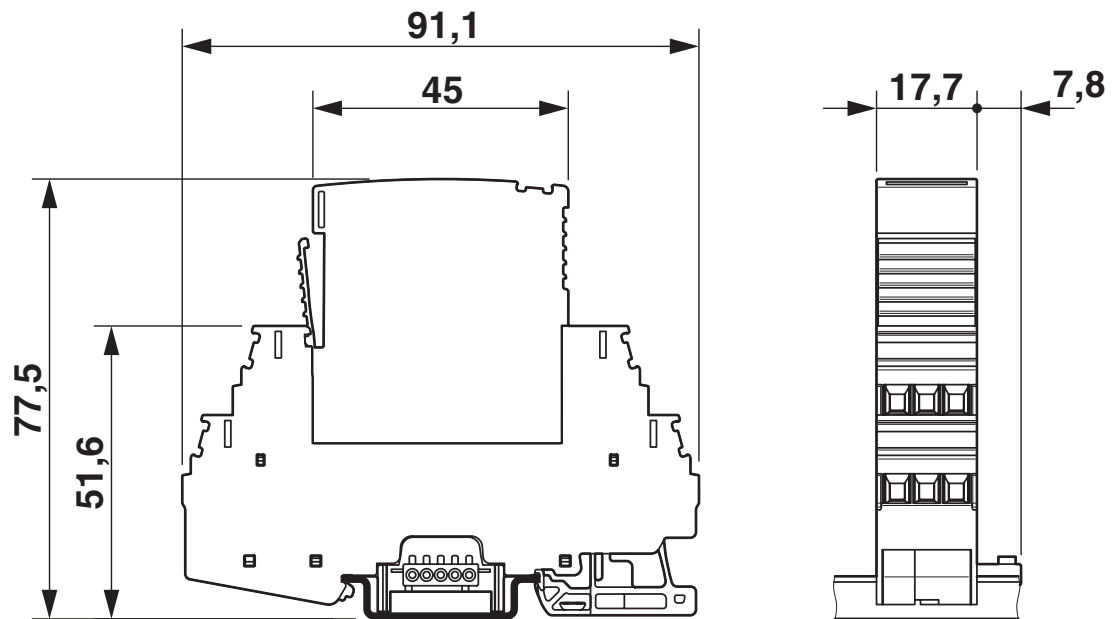
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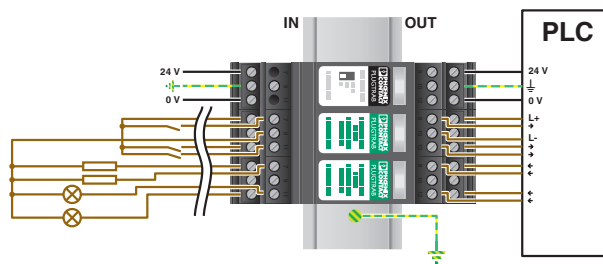
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## Drawings

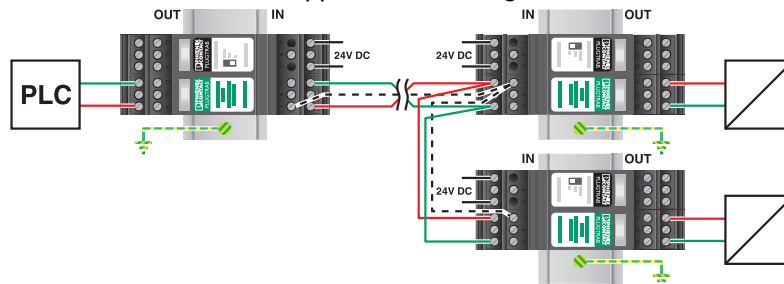
Dimensional drawing



Application drawing



Application drawing



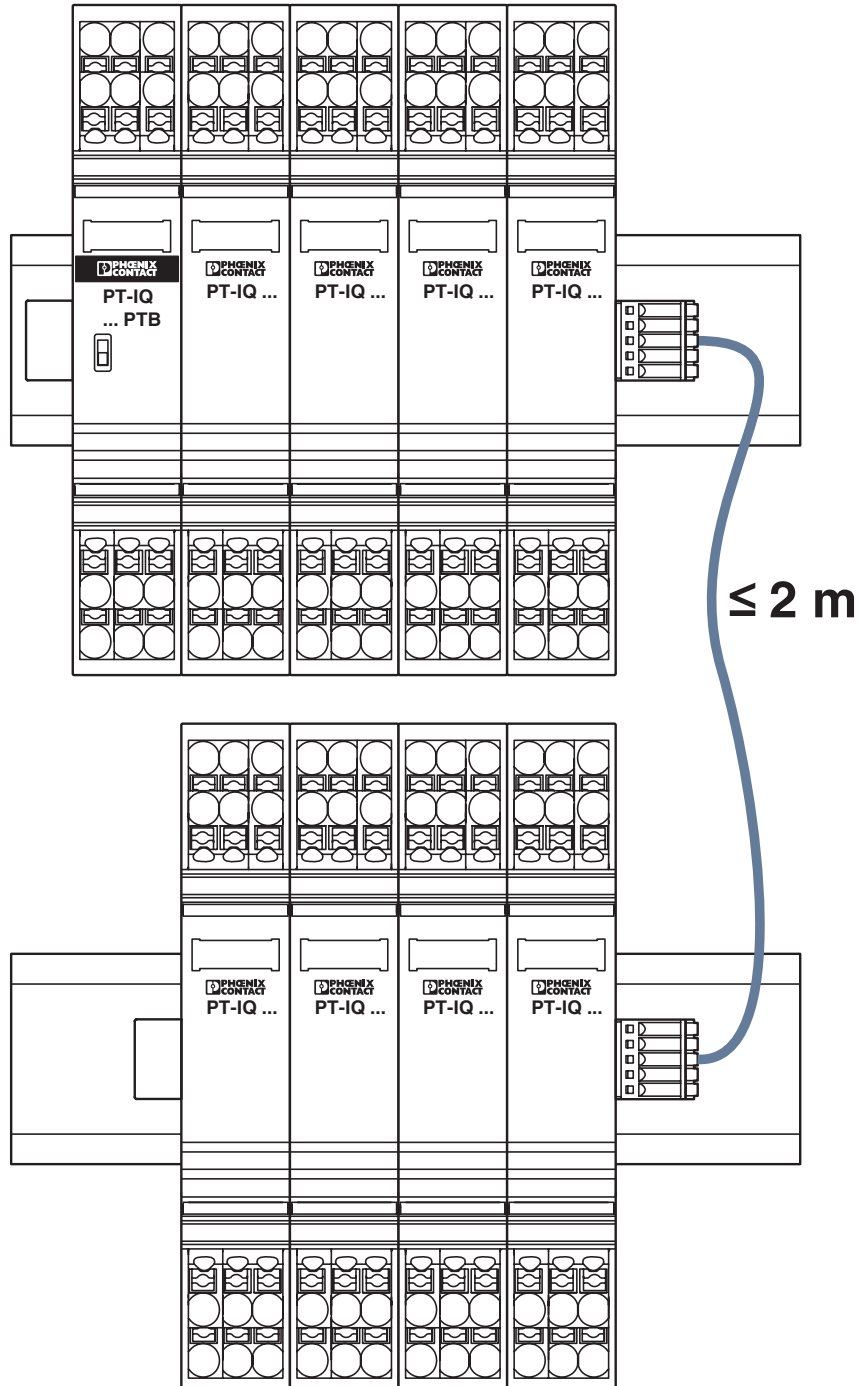
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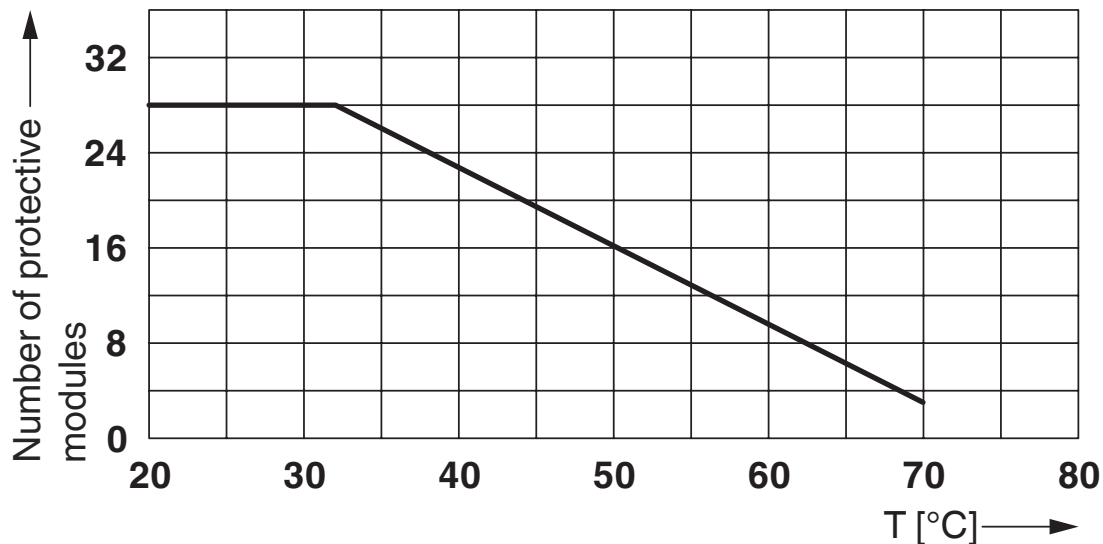
Schematic diagram



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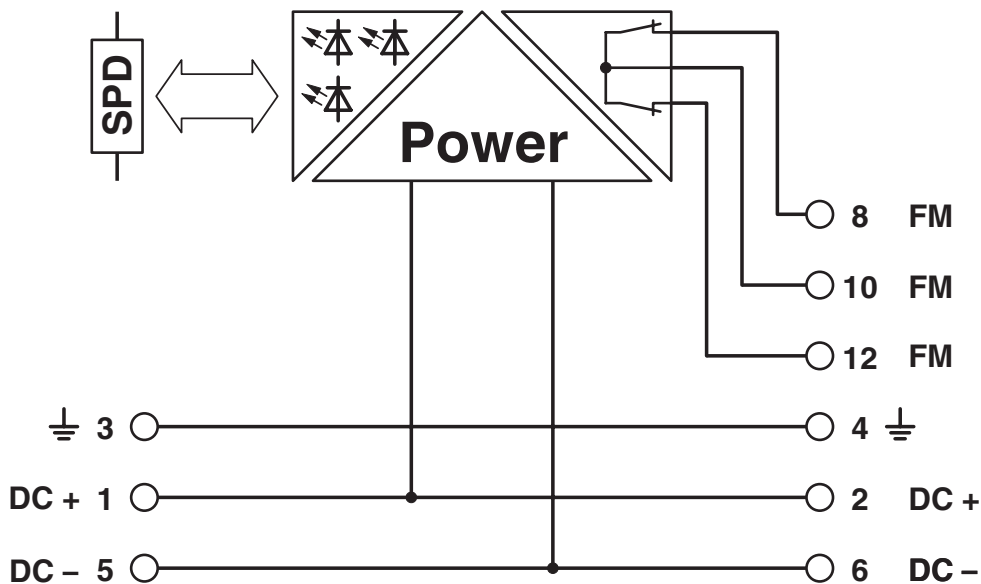
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Diagram



Alignable protection modules depending on the ambient temperature in "non-Ex" installations

Circuit diagram



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## Approvals


To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2800768>


 **CSA**  
Approval ID: 2761632


 **UL Listed**  
Approval ID: FILE E 138168


 **CSAus**  
Approval ID: 2761632


 **IECEx**  
Approval ID: IECEx BVS 14.0017X

 **cUL Listed**  
Approval ID: FILE E 333250

 **UL Listed**  
Approval ID: FILE E 333250

 **ATEX**  
Approval ID: BVS 14 ATEX E 020 X

 **NEPSI-EX**  
Approval ID: GYJ20.1158X

 **CCC**  
Approval ID: 2020322316001010

 **UKCA-EX**  
Approval ID: DEKRA 23UKEX0111X

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## Classifications

### ECLASS

ECLASS-13.0	27171501
ECLASS-15.0	27171501

### ETIM

ETIM 10.0	EC001466
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### UNSPSC

UNSPSC 21.0	39121600
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I

### 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.)	Lead(CAS: 7439-92-1)
SCIP	aa08d3a0-aa2b-4332-897c-3ad90ebc6a79

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