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

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

ELEKTROGERÄTE RÜCKNAHME

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

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

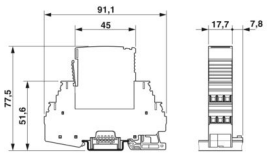
Connection method	Screw connection
Screw thread	M3
Tightening torque	0.5 Nm
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section rigid	0.2 mm² ... 4 mm²
Conductor cross-section AWG	24 ... 12

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

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 HP

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

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

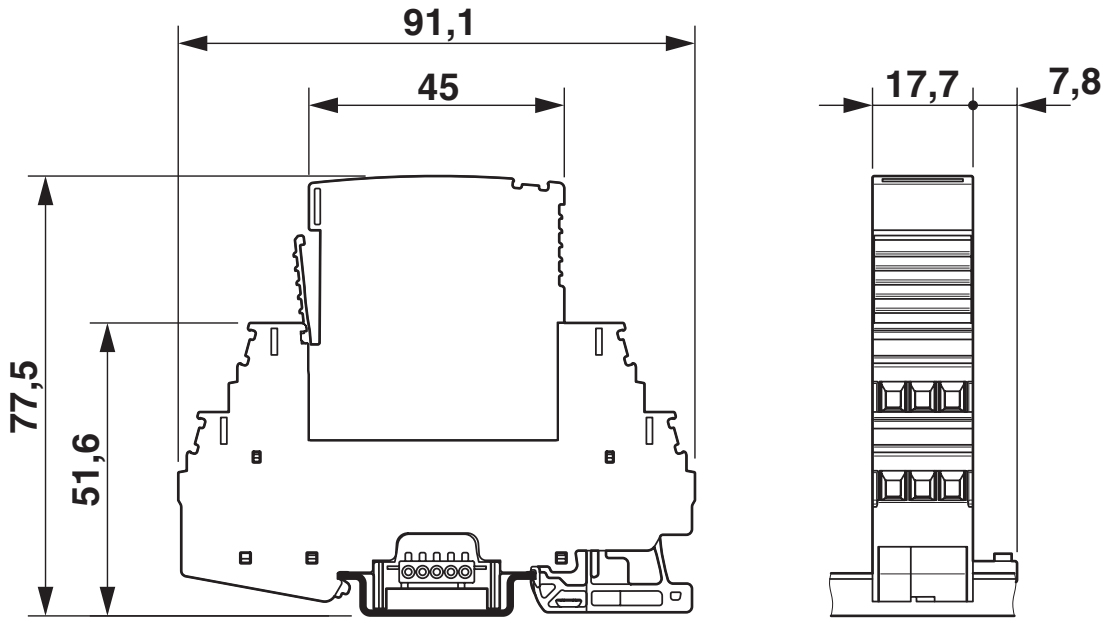
Standards/specifications	EN 60950-1
Note	2006 + A2:2013
Standards/specifications	EN 60079-0
Note	2018
Standards/specifications	EN 60079-11
Note	2012
Standards/specifications	EN 60079-15
Note	2010
Standards/specifications	IEC 60079-0
Note	2017
Standards/specifications	IEC 60079-11
Note	2011
Standards/specifications	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

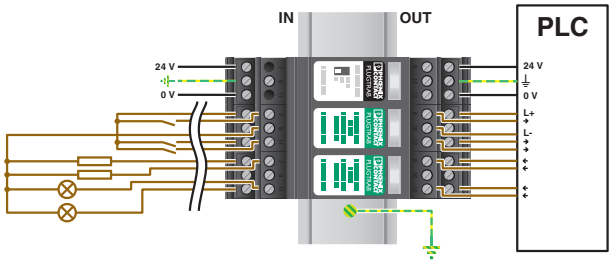
Mounting type	DIN rail: 35 mm

Drawings

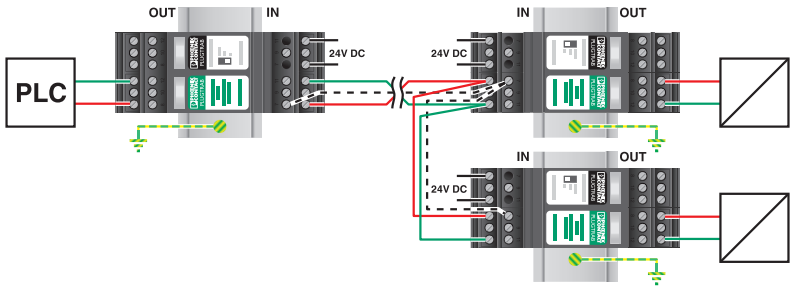
Dimensional drawing



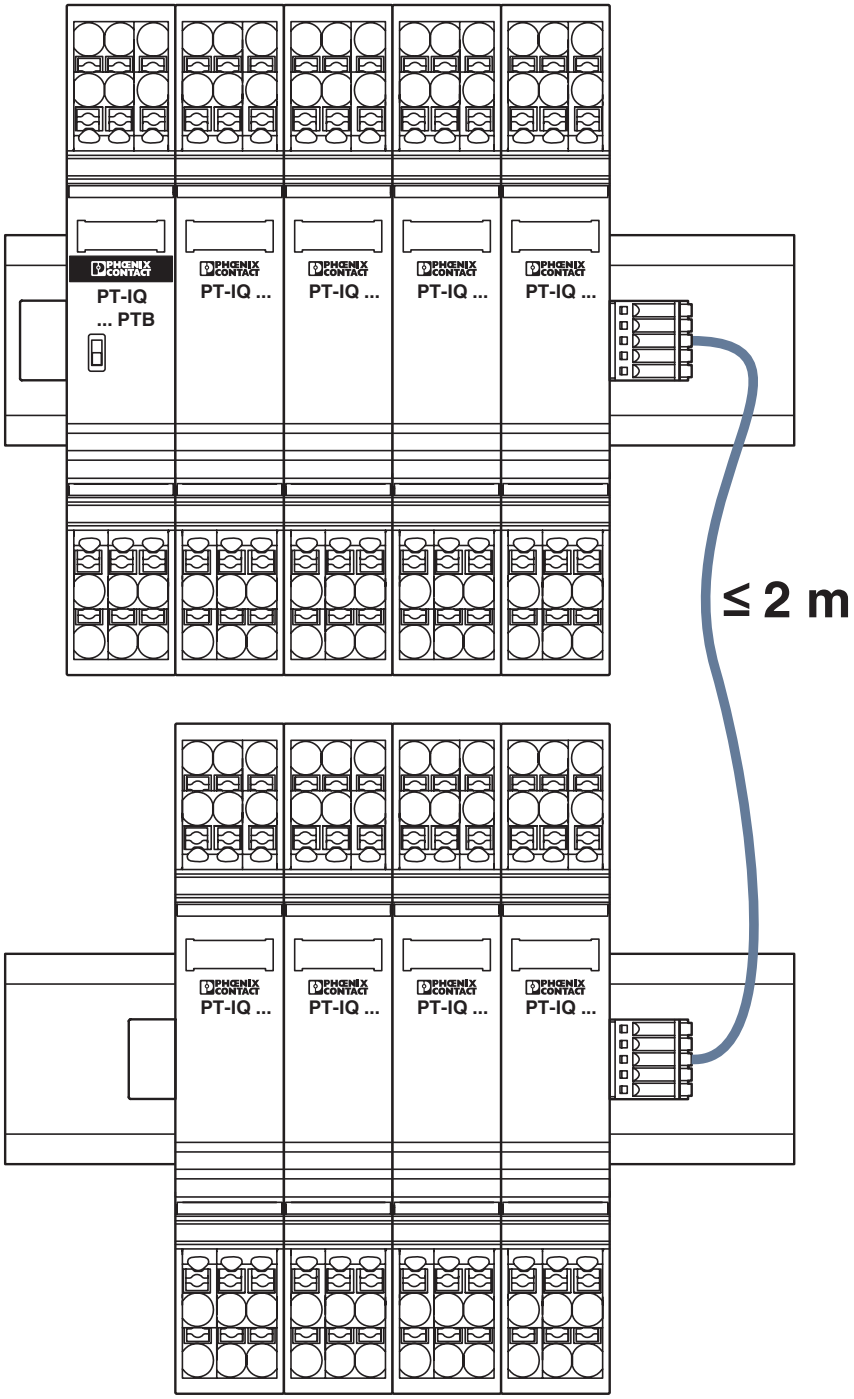
Application drawing



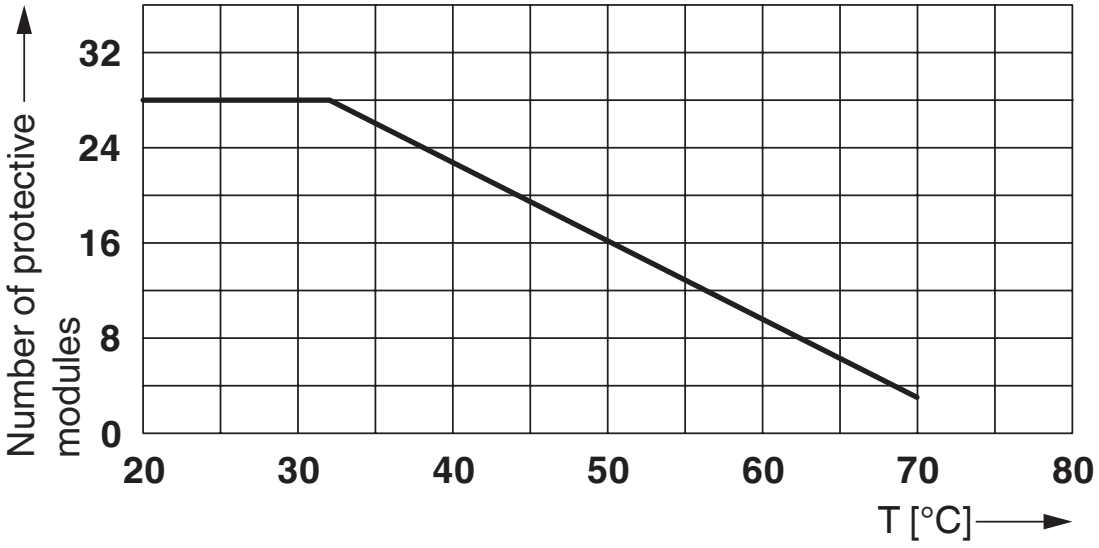
Application drawing



Schematic diagram

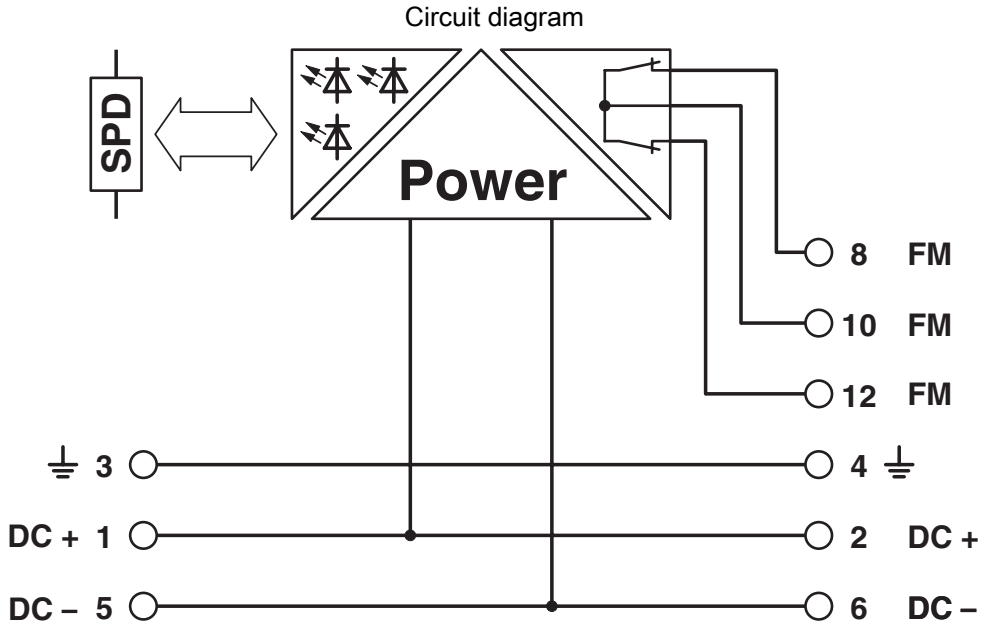


Diagram



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

Circuit diagram



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

Classifications

ECLASS

ECLASS-13.0	27171501
ECLASS-15.0	27171501

ETIM

ETIM 10.0	EC001466

UNSPSC

UNSPSC 21.0	39121600

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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