



Automatización Eléctrica
Especialistas en Automatización

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Surge protection controller - PT-IQ-PTB-UT - 2800768

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

Why buy this product

- Surge protection system
- Multi-level state monitoring
- Collective message about supply and remote module
- System supplied via DIN rail bus
- Up to 28 protection modules per supply module
- Maximum ease of maintenance thanks to the two-piece design
- Codable plug
- Impedance-neutral disconnection of plug for maintenance purposes
- Base element remains an integral part of the installation



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 647984

Technical data

Dimensions

Height	91.1 mm
Width	17.7 mm
Depth	77.5 mm
Horizontal pitch	1 Div.

Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Degree of protection	IP20

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Technical data

General

Housing material	PA 6.6
Flammability rating according to UL 94	V-0
Color	jet black RAL 9005
Mounting type	DIN rail: 35 mm
Type	DIN rail module, two-section, divisible

Additional descriptions

Note	Remote signaling as well as the power supply of the T-BUS are established by snapping the module onto the T-BUS.
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Protective circuit

Nominal voltage U_N	24 V DC
Operating voltage range	20 V DC ... 30 V DC
Nominal current I_N	max. 130 mA (24 V DC)
	max. 160 mA (20 V DC)
Surge protection fault message	Optical, multi-stage remote indication contact
Max. required back-up fuse	500 mA (T, e.g., according to EN 60127-2)

Connection data

Connection method	Screw connection
Connection type IN	Screw terminal blocks
Connection type OUT	Screw terminal blocks
Screw thread	M3
Tightening torque	0.5 Nm
Stripping length	8 mm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Connection, equipotential bonding

Connection method	DIN rail NS35
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Remote indicator contact

Switching function	2x N/C contacts
Connection method	Screw connection
Screw thread	M3
Stripping length	8 mm
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²

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Technical data

Remote indicator contact

Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Maximum operating voltage U_{max} AC	30 V AC (50 - 60 Hz, non-Ex)
Maximum operating voltage U_{max} DC	50 V DC (non-Ex)
Max. operating current I_{max}	1 A (up to 50°C, non-Ex)
	200 mA (up to 70°C, non-Ex)

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	27130807
eCl@ss 7.0	27130807
eCl@ss 8.0	27130807
eCl@ss 9.0	27130807

ETIM

ETIM 3.0	EC000943
ETIM 4.0	EC000943
ETIM 5.0	EC000943

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / EAC / EAC / CSA / CSAus / cCSAus

Ex Approvals

IECEx / ATEX / UL Listed / cUL Listed / cULus Listed

Surge protection controller - PT-IQ-PTB-UT - 2800768

Approvals

Approvals submitted

Approval details

UL Listed

EAC

EAC

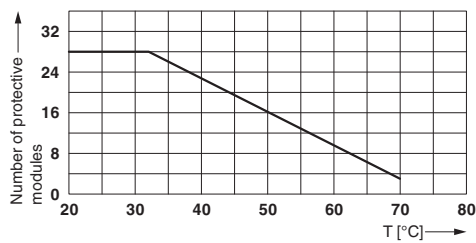
CSA

CSAus

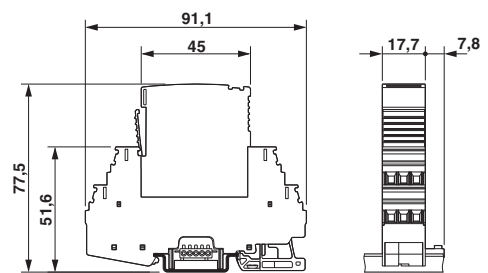
cCSAus

Drawings

Diagram



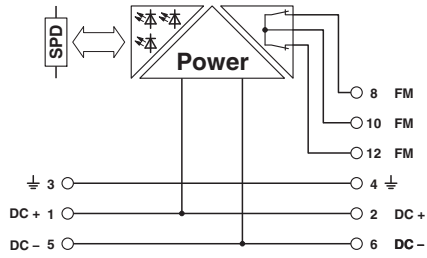
Dimensional drawing



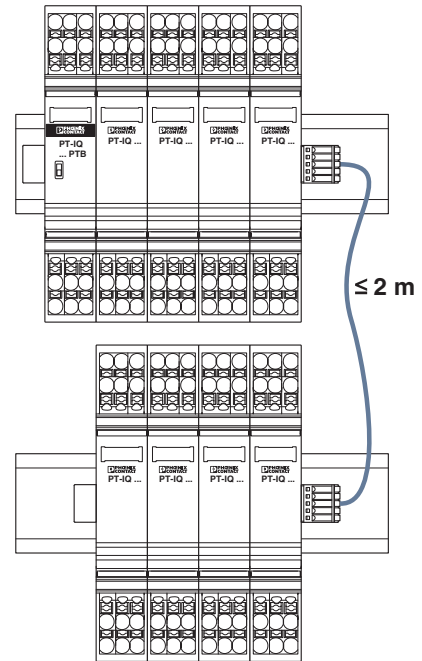
Alignable protection modules depending on the ambient temperature in "non-Ex" installations

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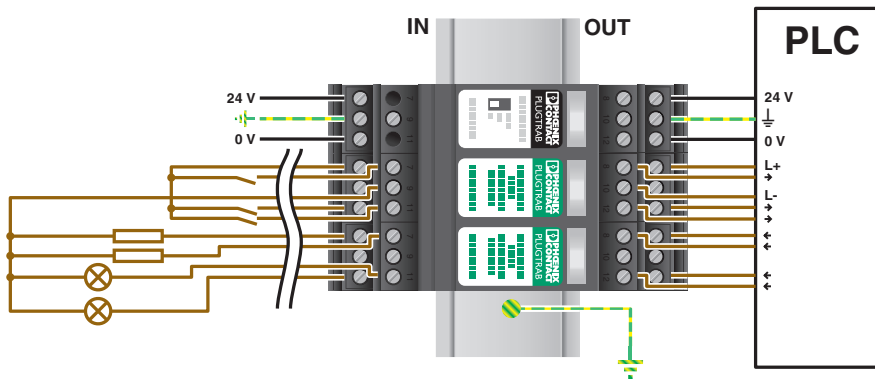
Circuit diagram



Schematic diagram

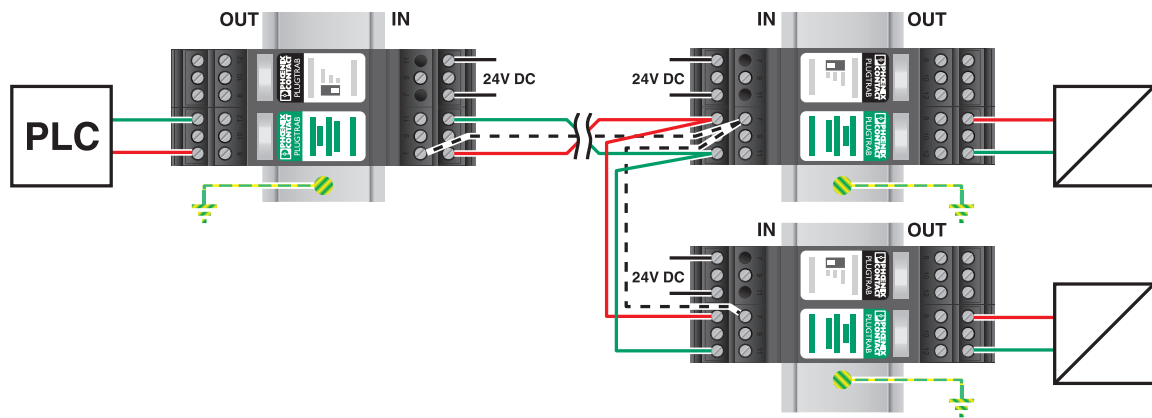


Application drawing



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Application drawing



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