

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

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://download.phoenixcontact.com>)



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

Product Features

- ✓ 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

package_quantity	1
GTIN	4046356647984

Technical data

Dimensions

Height	91.1 mm
Width	17.7 mm
Depth	77.5 mm
Pitch unit	1 Div.

Ambient conditions

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

General

Housing material	PA 6.6
Inflammability class according to UL 94	V0
Color	black

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

Technical data

General

Mounting type	DIN rail: 35 mm
Design	DIN rail module, two-section, divisible

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)
Nominal current I_N	max. 160 mA (20 V DC)
Message: Surge protection fault	Optical, multi-stage remote indication contact
Max. required back-up fuse	500 mA (F)

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 stranded min.	0.2 mm ²
Conductor cross section stranded 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/kcmil min.	24
Conductor cross section AWG/kcmil max	12

Connection, equipotential bonding

Connection method	DIN rail NS35
--------------------------	---------------

Remote indicator contact

Switching function	2x N/C contacts
Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	14
Maximum operating voltage U_{max} AC	30 V AC ((50 - 60 Hz))
Maximum operating voltage U_{max} DC	50 V DC
Max. operating current I_{max}	1 A (up to 50°C)
Max. operating current I_{max}	200 mA (up to 70°C)

classifications

eCl@ss

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

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

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

accessories

Marker pen

X-PEN 0,35 - 0811228



Terminal marking

ZBF 5:UNBEDRUCKT - 0808642



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

accessories

ZBF 5/WH-100:UNBEDRUCKT - 0808668



Labeled terminal marker

ZBF 5,LGS:FORTL.ZAHLEN - 0808671



ZBF 5,LGS:GERADE ZAHLEN - 0810821



ZBF 5,LGS:UNGERADE ZAHLEN - 0810863



ZBF 5,QR:FORTL.ZAHLEN - 0808697



Device marking

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

accessories

ZBN 18:UNBEDRUCKT - 2809128



Mounting material

E/ME TBUS NS35 GY - 2713780



PCB plug

FK-MC 0,5/ 5-ST-2,5 - 1881354



accessories

ZBF 15:SO/CMS - 0814717



ZBF 5:SO/CMS - 0808707



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

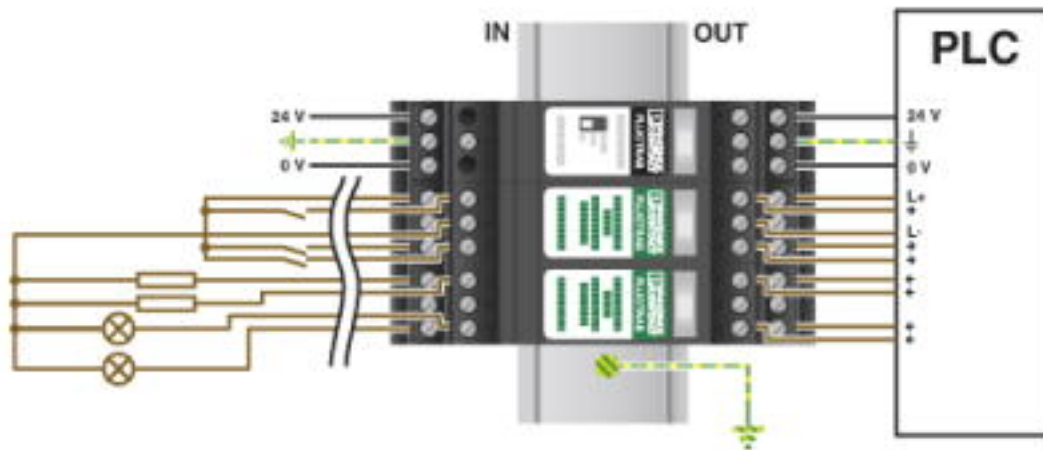
accessories

ZBN 18:SO/CMS - 0800763



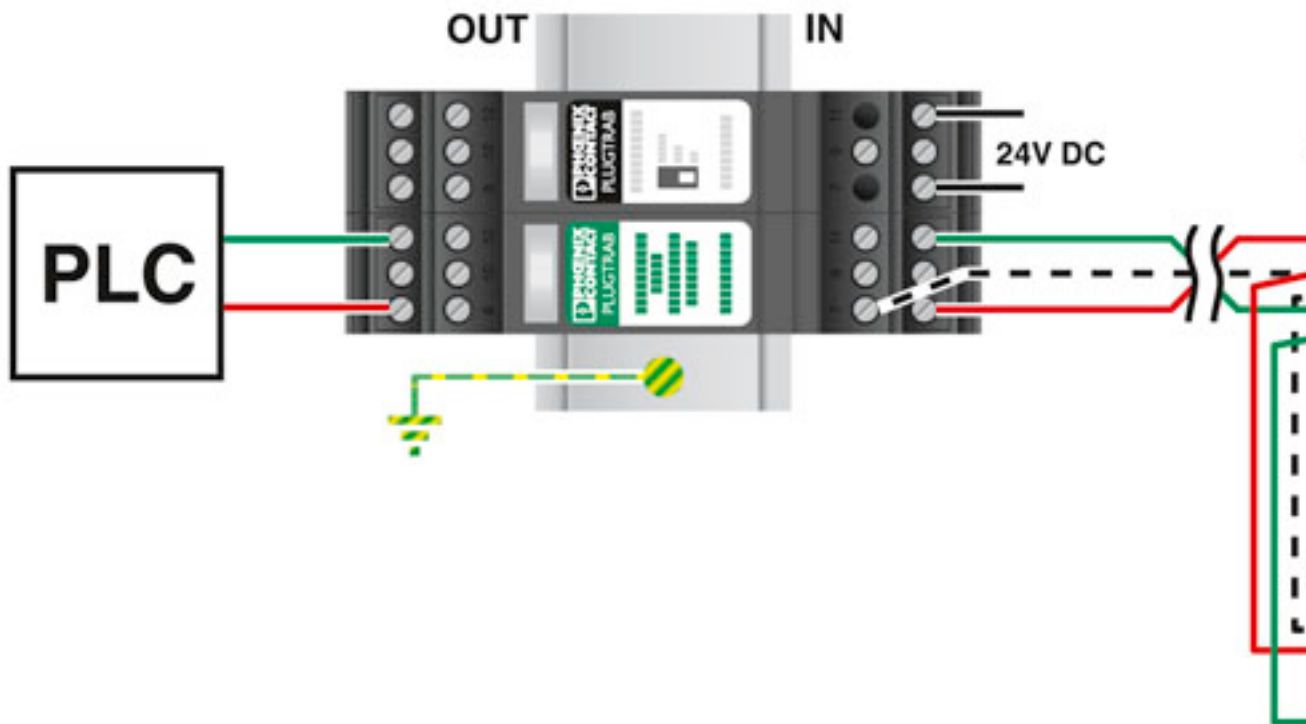
Drawings

Application drawing



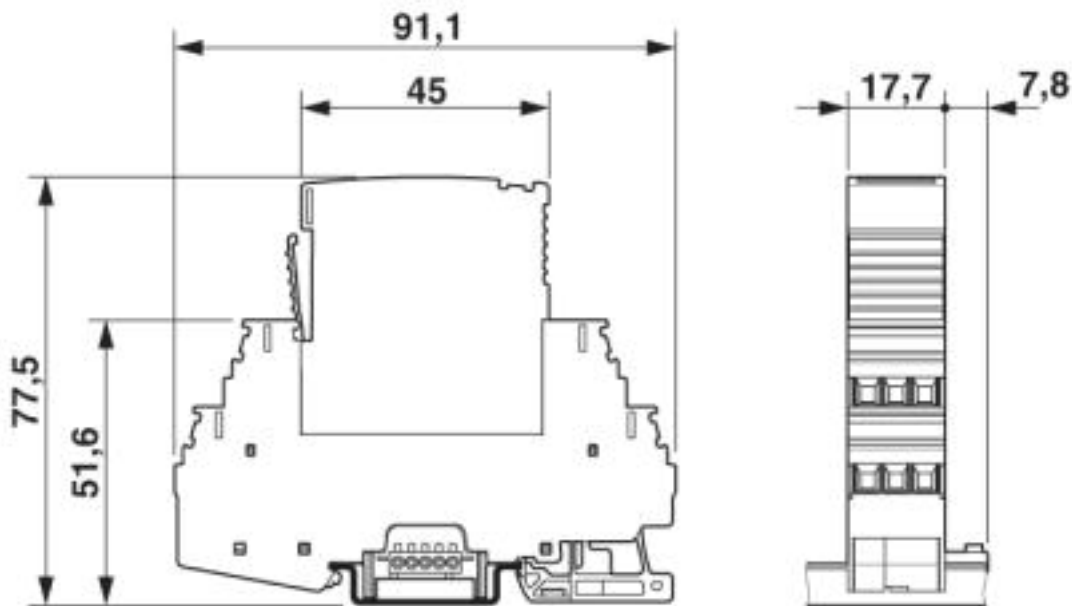
Surge protection controller - PT-IQ-PTB-UT - 2800768

Application drawing

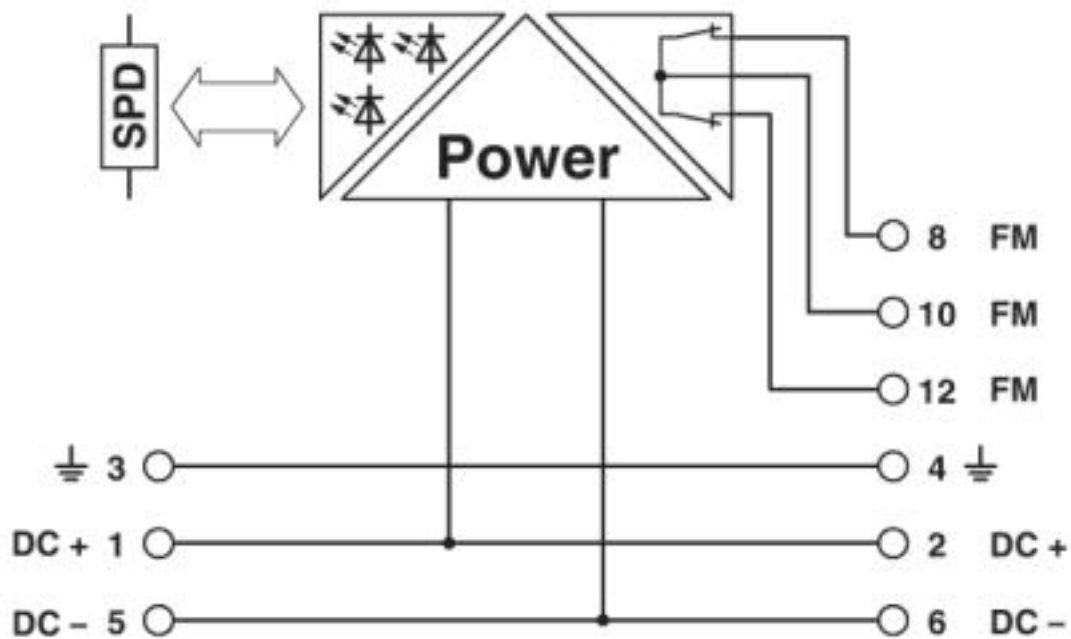


Surge protection controller - PT-IQ-PTB-UT - 2800768

Dimensioned drawing



Circuit diagram



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

Schematic diagram

