

Surge protection controller - PT-IQ-PTB-PT - 2801296

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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	4046356766760

Technical data

Dimensions

Height	109.3 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

Inflammability class according to UL 94	V0
Color	black
Mounting type	DIN rail: 35 mm

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Technical data

General

Design	DIN rail module, two-section, divisible
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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)
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	0.4 A (T)

Connection data

Connection method	Push-in connection
Connection type IN	Push-in connection
Connection type OUT	Push-in connection
Stripping length	10 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	NS 35 DIN rail or connection terminal block
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Remote indicator contact

Connection method	Push-in connection
Stripping length	10 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
Maximum operating voltage U_{max} AC	35 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

eCl@ss 4.0	27140201
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classifications

eCl@ss

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



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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

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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



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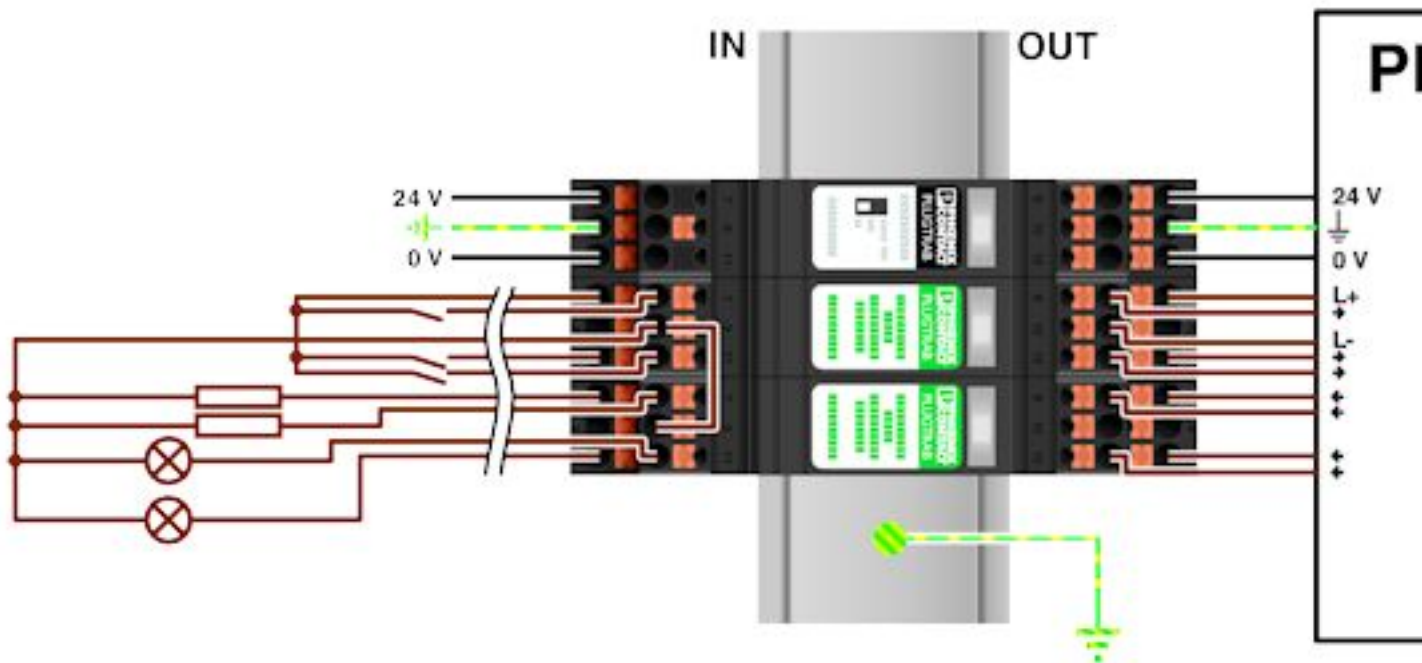
accessories

ZBN 18:SO/CMS - 0800763



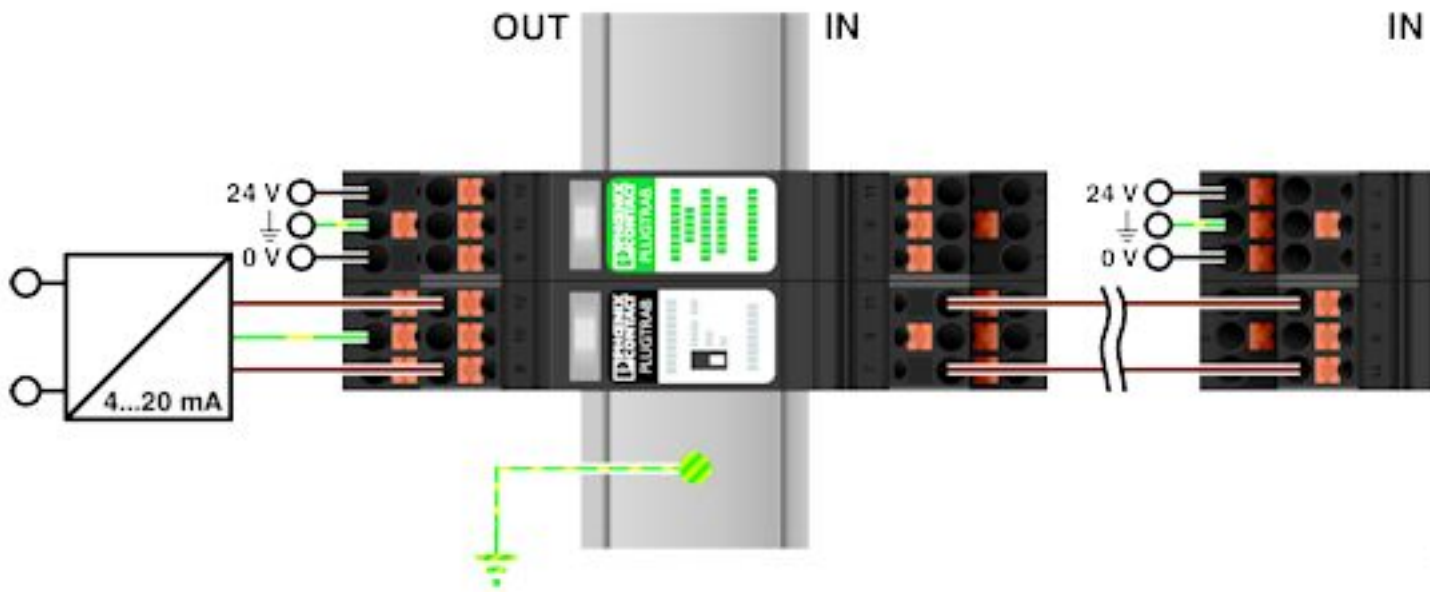
Drawings

Application drawing

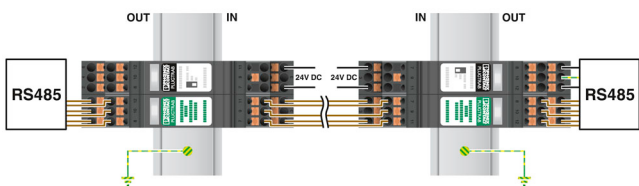


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Application drawing

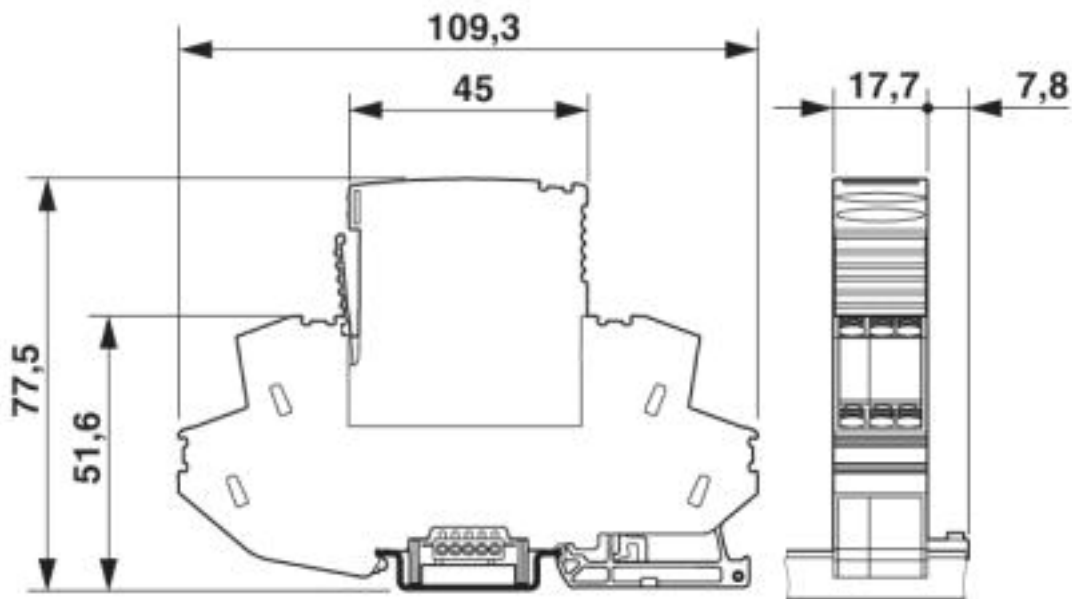


Application drawing

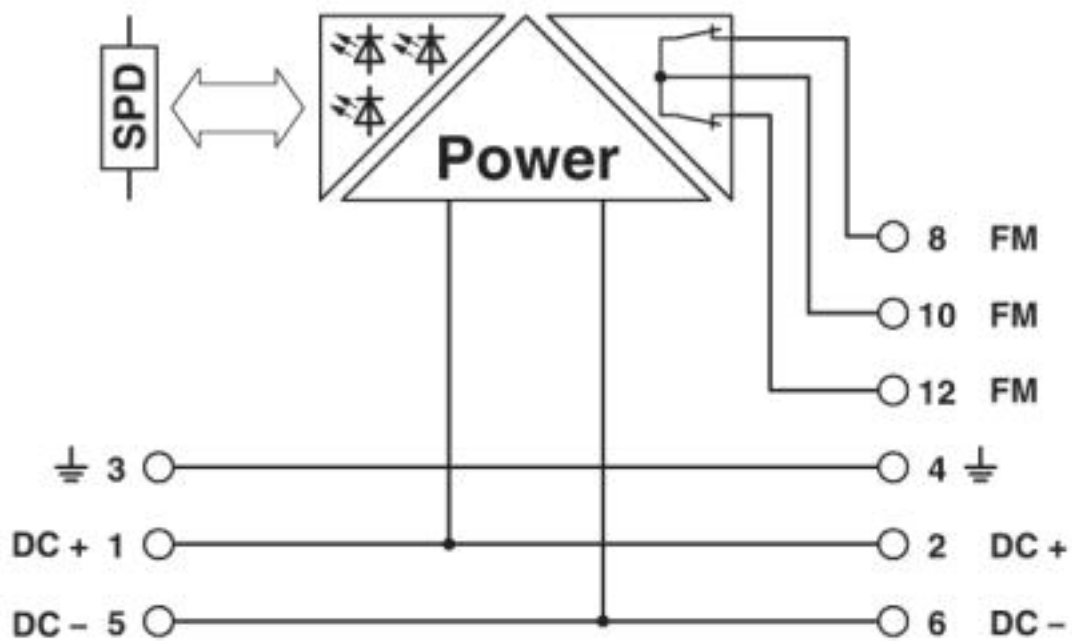


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Dimensioned drawing



Circuit diagram



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Schematic diagram

