

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://phoenixcontact.com/download)



PLC-INTERFACE with electronic PDT contact, consisting of PLC-BPT.../21 basic terminal block with push-in connection and integrated miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 PDT, input: 24 V DC, output: 3 - 48 V DC/500 mA

The figure shows a version with a screw connection

Product Features

- Resistant to vibrations and shocks
- Protective circuit in input and output
- Option of bridging adjacent modules
- □ DC voltage outputs of up to 300 V DC/1 A or up to 24 V DC/10 A
- ☑ Electronic PDT output of up to 48 V DC/500 mA
- Status indicator





Key commercial data

Packing unit	1 pc
Weight per Piece (excluding packing)	30.19 GRM
Custom tariff number	85364190
Country of origin	Germany

Technical data

Note

Utilization restriction EMC: class A product, see manufacturer's declaration in the download		
area	Utilization restriction	area

Dimensions

Width	6.2 mm
Height	80 mm



Technical data

Dimensions

Depth

Ambient conditions	
Ambient temperature (operation)	-25 °C 60 °C

86 mm

Ambient temperature (operation)	-25 °C 60 °C
Ambient temperature (storage/transport)	-40 °C 85 °C

Input data

Nominal input voltage U _N	24 V DC
Input voltage range in reference to U _N	0.8 1.2
Switching threshold "0" signal in reference to U _N	≤ 0.4
Switching threshold "1" signal in reference to U _N	≥ 0.8
Typical input current at U _N	3 mA
Typical response time	0.03 ms
Typical turn-off time	0.15 ms
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	1000 Hz

Output data

Output voltage range	3 V DC 48 V DC
Limiting continuous current	500 mA (see derating curve)
Min. load current	1 mA
Voltage drop at max. limiting continuous current	< 1.2 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode

Connection data

Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14



Technical data

General

Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Inflammability class according to UL 94	V0
Designation	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	4 kV / basic insulation
Rated insulation voltage	300 V
Pollution degree	2
Surge voltage category	III

Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC000196
ETIM 5.0	EC000196

UNSPSC

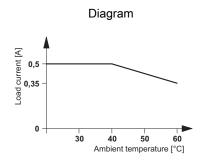
UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

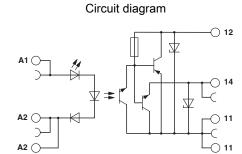


Approvals
Approvals
Approvals
UL Listed / cUL Listed / UL Recognized / cUL Recognized / cULus Recognized / cULus Listed
Ex Approvals
Approvals submitted
Approval details
UL Listed (II)
cUL Listed [®]
UL Recognized S
cUL Recognized • • • • • • • • • • • • • • • • • • •
cULus Recognized C S Us
cULus Listed ***

Drawings







The illustration shows the derating curve for PLC-...24DC/48DC/500/W

Phoenix Contact 2014 © - all rights reserved http://www.phoenixcontact.com