

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, consisting of PLC-BPT.../21 basic terminal block with push-in connection and plug-in miniature solid-state relay, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input: 120 V AC/110 V DC, output: 3 - 48 V DC/100 mA

#### **Product Features**

- Slim design
- Efficient connection to system cabling using V8 adapter
- RT III sealed solid-state relay
- Functional plug-in bridges
- High switching power
- Integrated input circuit
- Zero voltage switch at AC output



## **Key Commercial Data**

Packing unit	1 pc
Weight per Piece (excluding packing)	34.0 g
Custom tariff number	85364900
Country of origin	Germany

#### Technical data

#### Note

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

#### **Dimensions**

Width	6.2 mm
Height	80 mm
Depth	94 mm



# Technical data

#### Ambient conditions

Ambient temperature (operation)	-25 °C 60 °C
Ambient temperature (storage/transport)	-25 °C 70 °C

## Input data

Nominal input voltage U <sub>N</sub>	120 V AC (110 V DC)
	110 V DC
Input voltage range in reference to U <sub>N</sub>	0.9 1.1
Switching threshold "0" signal in reference to U <sub>N</sub>	≤ 0.3
Switching threshold "1" signal in reference to U <sub>N</sub>	≥ 0.9
Typical input current at U <sub>N</sub>	3.5 mA
Typical response time	3 ms (at U <sub>N</sub> )
Typical turn-off time	4 ms (at U <sub>N</sub> )
Operating voltage display	Yellow LED
Type of protection	Bridge rectifier
Protective circuit/component	Bridge rectifier
Transmission frequency	10 Hz

# Output data

Output voltage range	3 V DC 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	≤1 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode

## Connection data, input side

Connection name	Input side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm² 2.5 mm²
Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section AWG	26 14

## Connection data, output side

Connection name	Output side
Connection method	Push-in connection
Stripping length	8 mm
Conductor cross section solid	0.14 mm² 2.5 mm²



# Technical data

## Connection data, output side

Conductor cross section flexible	0.14 mm² 2.5 mm²
Conductor cross section AWG	26 14

#### General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	In rows with zero spacing
Operating mode	100% operating factor
Flammability rating according to UL 94	V0
Degree of pollution	2
Overvoltage category	III

## Standards and Regulations

Standard designation	Standards/regulations
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

# Classifications

## eCl@ss

eCl@ss 4.0	27371001
eCl@ss 4.1	27371001
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371604

### **ETIM**

ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

#### **UNSPSC**

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542



# Classifications

#### **UNSPSC**

UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

UNSPSC 12.01	39121542
UNSPSC 13.2	39121542
Approvals	
Approvals	

UL Recognized / UL Listed / cUL Recognized / cUL Listed / GL / EAC / cULus Recognized / cULus Listed

Ex Approvals

Approvals

Approvals submitted

Approval details

UL Recognized **5** 

UL Listed (II)

GL

EAC



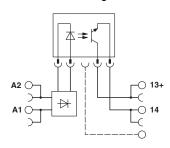
# Approvals





# Drawings

### Circuit diagram



Phoenix Contact 2016 @ - all rights reserved http://www.phoenixcontact.com