

# PLC-BPT-230UC/21 - Relay base

2900281

<https://www.phoenixcontact.com/sg/products/2900281>



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 documentation. Our general terms of use for downloads are valid.



6.2 mm PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 230 V AC/DC

## Commercial data

Item number	2900281
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	*****
Product key	CK6231
GTIN	4046356510127
Weight per piece (including packing)	30.4 g
Weight per piece (excluding packing)	30.4 g
Customs tariff number	85366990
Country of origin	DE

# PLC-BPT-230UC/21 - Relay base

2900281

<https://www.phoenixcontact.com/sg/products/2900281>



## Technical data

### Notes

#### Utilization restriction

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

### Product properties

Product type	Relay socket
Product family	PLC-INTERFACE
Application	Universal
Operating mode	100% operating factor

#### Insulation characteristics

Overvoltage category	II
Pollution degree	3

### Electrical properties

Protective circuit	Bridge rectifier
--------------------	------------------

### Input data

Nominal input voltage $U_N$	230 V AC/DC
Protective circuit	Bridge rectifier

### Connection data

Connection method	Push-in connection
Stripping length	10 mm
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> (Single ferrule)
	2x 0.5 mm <sup>2</sup> ... 1 mm <sup>2</sup> (TWIN ferrule)
Conductor cross section AWG	26 ... 14

### Signaling

Status display	LED
----------------	-----

### Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

### Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0 (Housing)

# PLC-BPT-230UC/21 - Relay base



2900281

<https://www.phoenixcontact.com/sg/products/2900281>

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C

## Approvals

### CE

Certificate	CE-compliant
-------------	--------------

### UKCA

Certificate	UKCA-compliant
-------------	----------------

### Shipbuilding approval

Certificate	TAE0000196
-------------	------------

### Corrosive gas test

Identification	ISA-S71.04. G3 Harsh Group
	EN 60068-2-60

### DNV GL data

Temperature	D
Humidity	A
Vibration	B/C
EMC	B
Enclosure	Required protection according to the Rules shall be provided upon installation on board

## EMC data

Low Voltage Directive	Conformance with Low Voltage Directive
Electromagnetic compatibility	Conformance with EMC directive

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

# PLC-BPT-230UC/21 - Relay base



2900281

<https://www.phoenixcontact.com/sg/products/2900281>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/sg/products/2900281>



**cUL Recognized**  
Approval ID: FILE E 238705



**UL Recognized**  
Approval ID: FILE E 238705



**EAC**  
Approval ID: RU D-DE.B\*00573/18



**DNV GL**  
Approval ID: TAE0000196

**cULus Recognized**

# PLC-BPT-230UC/21 - Relay base



2900281

<https://www.phoenixcontact.com/sg/products/2900281>

## Classifications

### ECLASS

ECLASS-11.0	27371603
ECLASS-12.0	27371603
ECLASS-13.0	27371603

### ETIM

ETIM 9.0	EC001456
----------	----------

### UNSPSC

UNSPSC 21.0	39122300
-------------	----------

# PLC-BPT-230UC/21 - Relay base



2900281  
<https://www.phoenixcontact.com/sg/products/2900281>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT SEA Pte. Ltd.  
105 Eunos Avenue 3, #04-00  
Singapore 409836  
+65 6228 4900  
[marketing@phoenixcontact.com.sg](mailto:marketing@phoenixcontact.com.sg)