

# PLC-BPIT- 48DC/21 - Relay base



2900447

<https://www.phoenixcontact.com/us/products/2900447>

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 48 V DC

## Commercial data

Item number	2900447
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C461
Product key	DK6231
GTIN	4046356507615
Weight per piece (including packing)	30.54 g
Weight per piece (excluding packing)	30 g
Customs tariff number	85366990
Country of origin	DE

# PLC-BPIT- 48DC/21 - Relay base



2900447

<https://www.phoenixcontact.com/us/products/2900447>

## Technical data

### Notes

Notes on operation	Separating plate PLC-ATP must be installed for voltages larger than 250 V (L1, L2, L3) between identical terminal blocks in adjacent modules. Potential bridging is then carried out with FBST 8-PLC... or FBST 500....
--------------------	---

### 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
Set comprises	2900301 PLC-RPT- 48DC/21 2900308 PLC-RPT- 48DC/21AU 2900353 PLC-OPT- 48DC/ 48DC/100 2900365 PLC-OPT- 48DC/ 24DC/2 2900370 PLC-OPT- 48DC/230AC/1
Operating mode	100% operating factor

### Electrical properties

Protective circuit	Damping diode, polarity protection diode
--------------------	--

### Input data

Nominal input voltage $U_N$	48 V DC
Protective circuit	Freewheeling diode
Nominal input voltage $U_N$	48 V DC

### 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

# PLC-BPIT- 48DC/21 - Relay base



2900447

<https://www.phoenixcontact.com/us/products/2900447>

Depth	94 mm
-------	-------

## Material specifications

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

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 60 °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

### Shipbuilding 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

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

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

# PLC-BPIT- 48DC/21 - Relay base



2900447

<https://www.phoenixcontact.com/us/products/2900447>

## Classifications

### UNSPSC

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

2900447

<https://www.phoenixcontact.com/us/products/2900447>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	965d7c92-fe7b-4f59-957c-e6a1d4aaed5d

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)