

PLC-BSC-120UC/21-21/SO46 - Relay base



2980416

<https://www.phoenixcontact.com/pc/products/2980416>

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.



14 mm PLC basic terminal block with interference current and interference voltage protection on the control side, with screw connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, with integrated RCZ filter, 2 changeover contacts, input voltage 120 V AC

Your advantages

- High relay release voltage
- Resistant to interference currents

Commercial data

Item number	2980416
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	08
Product key	CK6211
Catalog page	Page 389 (C-5-2019)
GTIN	4017918921217
Weight per piece (including packing)	64.61 g
Weight per piece (excluding packing)	56.43 g
Customs tariff number	85366990
Country of origin	DE

PLC-BSC-120UC/21-21/SO46 - Relay base



2980416

<https://www.phoenixcontact.com/pc/products/2980416>

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	Filter to prevent interference
Operating mode	100% operating factor
Compatible components	Miniature relay, REL-MR-110DC/21-21AU, REL-MR-110DC/21-21

Insulation characteristics

Pollution degree	3
------------------	---

Electrical properties

Protective circuit	Bridge rectifier; Bridge rectifier
	RC element

Input data

Nominal input voltage U_N	120 V AC
Input voltage range in reference to U_N	0.78 ... 1.4 (at 20 °C)
Typical input current at U_N	9 mA
Typical response time	7 ms
Typical release time	10 ms

Relay assembly

Nominal input voltage U_N	120 V AC
Input voltage range in reference to U_N	0.78 ... 1.4
Typical input current at U_N	8.5 mA (50 Hz)
	9.5 mA (60 Hz)
Typical response time	8 ms
Typical release time	15 ms
Typical release voltage	45 V AC
Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier
	Filter; Filter

Optocoupler assembly

Operating voltage display	Yellow LED
Protective circuit	Bridge rectifier; Bridge rectifier
	Filter; Filter

PLC-BSC-120UC/21-21/SO46 - Relay base



2980416

<https://www.phoenixcontact.com/pc/products/2980416>

Output data

Compatible components	Miniature relay, REL-MR-110DC/21-21AU, REL-MR-110DC/21-21
-----------------------	---

Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 2.5 mm ²
	0.2 mm ² ... 2.5 mm ² (Single ferrule)
	2x 0.5 mm ² ... 1.5 mm ² (TWIN ferrule)
Conductor cross section AWG	26 ... 14
Tightening torque	0.6 Nm ... 0.8 Nm

Signaling

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

Dimensions

Width	14 mm
Height	80 mm
Depth	94 mm

Material specifications

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

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

PLC-BSC-120UC/21-21/SO46 - Relay base



2980416

<https://www.phoenixcontact.com/pc/products/2980416>

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
Assembly instructions	in rows with zero spacing
Mounting position	any

Phoenix Contact 2024 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com