

# PLC-BSC-230UC/21-21/SO46 - Relay base



2980429

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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 230 V AC

## Your advantages

- High relay release voltage
- Resistant to interference currents

## Commercial Data

Item number	2980429
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK6211
Catalog Page	Page 389 (C-5-2019)
GTIN	4017918921231
Weight per Piece (including packing)	65.15 g
Weight per Piece (excluding packing)	56.91 g
Customs tariff number	85366990
Country of origin	DE

## Technical Data

### Notes

#### Utilization restriction

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

Protective circuit	Bridge rectifier; Bridge rectifier
	RCZ filter; RCZ filter

### Input data

Nominal input voltage $U_N$	230 V AC
Input voltage range in reference to $U_N$	0.78 ... 1.14 (at 20 °C)
Typical input current at $U_N$	9 mA
Typical response time	7 ms
Typical release time	10 ms
Switching threshold "0" signal, voltage	typ. 70 V AC

#### Relay assembly

Nominal input voltage $U_N$	230 V AC
Input voltage range in reference to $U_N$	0.78 ... 1.14
Typical input current at $U_N$	8.5 mA (50 Hz)
	10 mA (60 Hz)
Typical response time	7 ms
Typical release time	10 ms
Typical release voltage	70 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

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	Filter; Filter
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## Output data

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

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
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> ... 1.5 mm <sup>2</sup> (TWIN ferrule)
Conductor cross section AWG	26 ... 14
Tightening torque	0.6 Nm ... 0.8 Nm

## Signaling

Status display	LED
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## Dimensions

Width	14 mm
Height	80 mm
Depth	94 mm

## Material specifications

Flammability rating according to UL 94	V0 (Housing)
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## Environmental and real-life conditions

### Ambient conditions

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

## Approvals

### Corrosive gas test

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

## Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any

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