

Relay base - PLC-BSC-230UC/21-21/SO46 - 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 PDTs, input voltage 230 V AC

Your advantages

- High relay release voltage
- Resistant to interference currents



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 921231
GTIN	4017918921231
Sales Key	08

Technical data

Note

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

Width	14 mm
Height	80 mm
Depth	94 mm

Ambient conditions

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

Input data

Input voltage range in reference to U_N	0.78 ... 1.14
Typical release voltage	70 V AC

Relay base - PLC-BSC-230UC/21-21/SO46 - 2980429

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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)
Release voltage	typ. 70 V AC
Typical input current at U_N	9 mA
Typical response time	7 ms
Typical release time	10 ms
Status display	LED
Protective circuit	Bridge rectifier Bridge rectifier
	RCZ filter RCZ filter

Output data

Compatible components	Miniature relay, REL-MR-110DC/21-21AU, REL-MR-110DC/21-21
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Connection data 1

Connection name	Input side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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

Connection data 2

Connection name	Output side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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

General

Protective circuit	Bridge rectifier Bridge rectifier
	RCZ filter RCZ filter
Color	gray
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing

Relay base - PLC-BSC-230UC/21-21/SO46 - 2980429

Technical data

Standards and Regulations

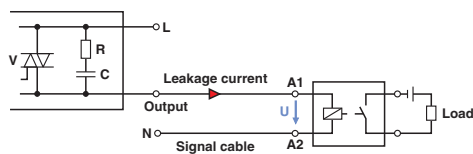
Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

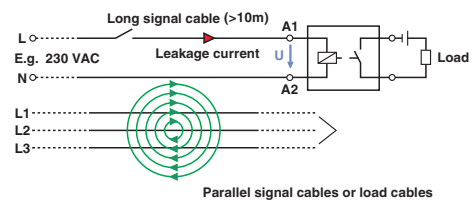
	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Application drawing



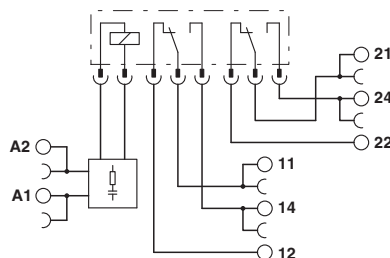
Application drawing



Occurrence of interference signals
Scenario 1: controller - AC output card

Occurrence of interference signals
Scenario 2: long signal cables

Circuit diagram



Approvals

Approvals

Approvals

PRS / GL / UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

Relay base - PLC-BSC-230UC/21-21/SO46 - 2980429

Approvals

PRS		http://www.prs.pl/	TE/2109/880590/16
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GL		http://exchange.dnv.com/tari/	46016-03 HH
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UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
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EAC			RU C- DE.A*30.B.01082
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cULus Recognized			
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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>