

# PLC-RSC-230UC/21

Order No.: 2966207

The illustration shows the version PLC-RSC-24DC/21




<http://eshop.phoenixcontact.no/phoenix/treeViewClick.do?UID=2966207>

PLC relay, consisting of base terminal block PLC-BSC.../21 with screw connection and pluggable miniature relay with power contact, for assembly on DIN rail NS 35/7.5, 1 PDT, input voltage 230 V AC / 220 V DC



## Commercial data

EAN	 4 017918 130695
Electrical Number	4300103
Pack	10 pcs.
Customs tariff	85364900
Gross weight in pieces	33.90 g
country of origin	DE
Catalog page information	Page 76 (IF-2009)

## Product notes

WEEE/RoHS-compliant since:  
23.01.2006



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## Technical data

### Coil side

Nominal input voltage $U_N$	230 V AC (220 V DC)
	220 V DC
Nominal input current at $U_{IN}$	3.2 mA (at $U_N = 230$ V AC)
	3 mA (at $U_N = 220$ V DC)

Typical response time	7 ms
Typical release time	15 ms
Operating voltage display	Yes
Protective circuit	Bridge rectifier Bridge rectifier

#### Contact side

Contact type	Single contact, 1-PDT
Contact material	AgSnO
Maximum switching voltage	250 V AC/DC (The separating plate PLC-ATP should 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...)
Minimum switching voltage	5 V (at 100 mA)
Maximum inrush current	(on request)
Min. switching current	10 mA (at 12 V)
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (for 48 V DC)
	18 W (for 60 V DC)
	23 W (for 110 V DC)
	40 W (for 220 V DC)
	1500 VA (for 250 V AC)

#### General data

Width	6.2 mm
Height	80 mm
Depth	94 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min.)
Ambient temperature (operation)	-40 °C ... 55 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Operating mode	100% operating factor
Mechanical service life	2 x 10 <sup>7</sup> cycles
Inflammability class according to UL 94	V0
Name	Standards/regulations
Standards/regulations	IEC 60664
	EN 50178
	IEC 62103

Pollution degree	3
Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

#### Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	2.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Screw thread	M3

#### Accessories

Item	Designation	Description
<b>Allgemein</b>		
2966508	PLC-ESK GY	Power terminal block, for the input of up to four potentials, for mounting on NS 35/7.5

#### Assembly

0801762	NS 35/ 7,5 CU UTEN HULL 2M	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801733	NS 35/ 7,5 HULLET 2M	DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 7.5 mm, width 35 mm, length: 2000 mm
0801681	NS 35/ 7,5 UTEN HULL 2M	DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801377	NS 35/ 7,5 V2A UTEN HULL 2M	DIN rail, Width: 35 mm, Height: 7.5 mm, Length: 2000 mm, Color: silver
1201756	NS 35/15 AL UTEN HULL 2M	DIN rail, deep drawn, high profile, unperforated, 1.5 mm thick, material: aluminum, height 15 mm, width 35 mm, length 2000 mm
1201895	NS 35/15 CU UTEN HULL 2M	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1201730	NS 35/15 HULLET 2M	DIN rail, material: steel galvanized and passivated with a thick layer, perforated, height 15 mm, width 35 mm, length: 2000 mm
1201714	NS 35/15 UTEN HULL 2M	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m

1201798	NS 35/15-2,3 UTEN HULL 2M	DIN rail, material: Steel, unperforated, 2.3 mm thick, height 15 mm, width 35 mm, length: 2 m
2966841	PLC-ATP BK	Separating plate, 2 mm thick, required at the start and end of a PLC terminal strip. Furthermore, it is used for: visual separation of groups, safe isolation of different voltages of neighboring PLC relays in acc. with DIN VDE 0106-101, isolation

**Bridges**

2966812	FBST 6-PLC BU	Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: blue
2966825	FBST 6-PLC GY	Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: gray
2966236	FBST 6-PLC RD	Single plug-in bridge, Length: 6 mm, Number of positions: 2, Color: red
2967688	FBST 8-PLC GY	Single plug-in bridge, Length: 8 mm, Number of positions: 2, Color: gray
2966692	FBST 500-PLC BU	Continuous plug-in bridge, Length: 500 mm, Color: blue
2966838	FBST 500-PLC GY	Continuous plug-in bridge, Length: 500 mm, Color: gray
2966786	FBST 500-PLC RD	Continuous plug-in bridge, Length: 500 mm, Color: red

**Marking**

1051016	ZB 6,LGS:FORTLØPENDE TALL	Zack marker strip, Strip, white, Labeled, Can be labeled with: Plotter, Printed horizontally: Consecutive numbers 1 - 10, 11 - 20, etc. up to 491 - 500, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm
5060935	ZB 6/WH-100:UTEN TRYKK	Zack marker strip, Strip, white, Unlabeled, Can be labeled with: Plotter, Mounting type: Snap into tall marker groove, For terminal block width: 6.2 mm, Lettering field: 6.15 x 10.5 mm

**Plug/Adapter**

2296061	PLC-V8/D15B/OUT	V8-OUTPUT adapter for eight 6.2 mm PLC interfaces (1 PDT, etc./see "Additional Products"). 15-pin D-SUB female connector, control logic: Positive switching
2296058	PLC-V8/D15S/OUT	V8-OUTPUT adapter for eight 6.2 mm PLC interfaces (1 PDT, etc./see "Additional Products"). 15-pin D-SUB male connector, control logic: Positive switching
2295554	PLC-V8/FLK14/OUT	V8-OUTPUT adapter for eight 6.2 mm PLC interfaces (1 PDT, etc./see "Supplementary Products"). 14-pos. flat-ribbon cable connection for the PLC system cabling, control logic: Plus switching
2304102	PLC-V8/FLK14/OUT/M	V8-OUTPUT adapter for eight 6.2 mm PLC interfaces (1 PDT, etc./see "Supplementary Products"). 14-pos. flat-ribbon cable connection for the PLC system cabling, control logic: Minus switching

## Relay

2961118	REL-MR- 60DC/21	Pluggable miniature relays, with power contact, 1 PDT, input voltage 60 V DC
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## Relay base

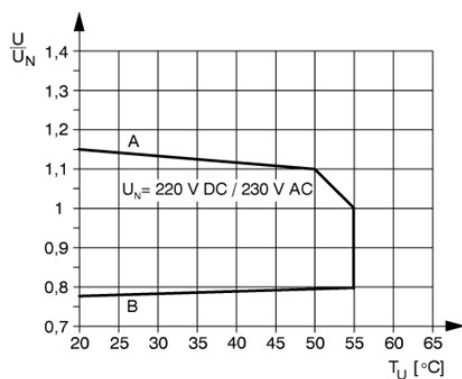
2966045	PLC-BSC-230UC/21	6.2 mm PLC basic terminal blocks with screw connection, 230 V AC/DC input voltage (without relay or optocoupler)
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## Tools

1204517	SZF 1-0,6X3,5	Actuation tool, for ST terminal blocks, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip
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## Diagrams/Drawings

### Diagram

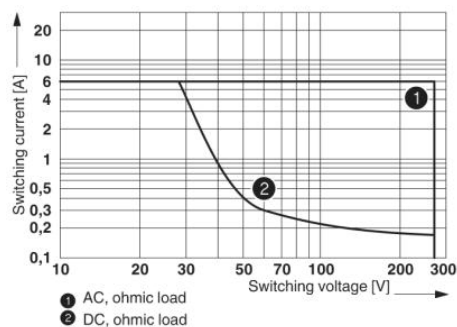


#### Kurve A

maximal zulässige Dauerspannung  $U_{\max}$   
 bei kontaktseitigem Grenzdauerstrom  
 (siehe jeweilige technische Daten)

#### Kurve B

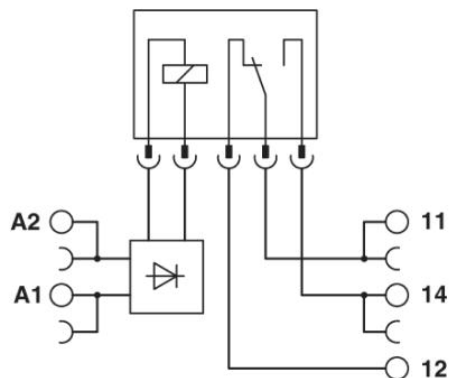
minimal zulässige Anzugsspannung  
 $U_{\text{an}}$  nach Vorerregung (siehe jeweilige  
 technische Daten)



Interrupting rating

Circuit diagram

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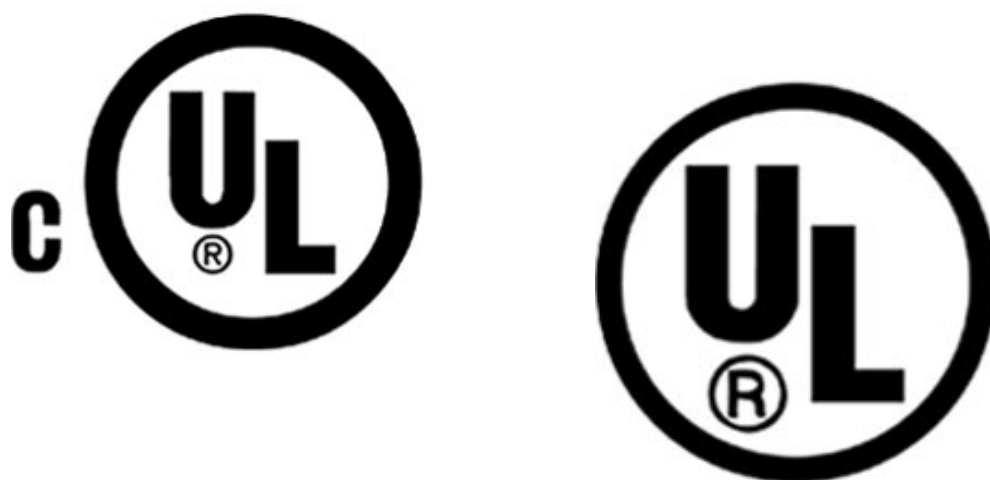


Connection data incl. use groups

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