

# PLC-RSC-120UC/21-21

Order No.: 2967086

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



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PLC relay, consisting of base terminal block PLC-BSC.../21 with screw connection and pluggable miniature relay with power contact, for assembly on mounting rail NS 35/7.5, 2 PDT, input voltage 120 V AC / 110 V DC

Commercial data	
EAN	4017918156398
Pack	10 Pcs.
Customs tariff	85364900
Weight/Piece	0.06949 KG
Catalog page information	Page 67 (IF-2007)

### Product notes

WEEE/RoHS-compliant since:  
12/20/2006



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### Technical data

Coil side	
Nominal input voltage $U_N$	120 V AC (110 V DC)
	110 V DC

Nominal input current at $U_N$	4.5 mA (at $U_N = 120$ V AC)
	4.2 mA (at $U_N = 110$ V DC)
Typical response time	7 ms
Typical release time	10 ms
Operating voltage display	Yellow LED
Name of protection	Bridge rectifier
Protective circuit/component	Bridge rectifier

#### Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi
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 AC/DC
Maximum inrush current	15 A (300 ms)
Min. switching current	10 mA
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	140 W (for 24 V DC)
	85 W (for 48 V DC)
	60 W (for 60 V DC)
	44 W (for 110 V DC)
	60 W (for 220 V DC)
	1500 VA (for 250 V AC)

#### General data

Length	80 mm
Height	94 mm
Width	14 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min)
Test voltage PDT/PDT	2.5 kV AC (50 Hz, 1 min)
Ambient temperature (operation)	-25 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Operating mode	100% operating factor
Service life mechanical	$3 \times 10^7$ cycles
Inflammability class in acc. with UL 94 (housing)	V0

Standard designation	Standards/regulations
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
	IEC 60255/DIN VDE 0435 (in relevant parts)
	DIN EN 50178/VDE 0160
Pollution degree	3
Surge voltage category	III
Mounting position	Any
Assembly instructions	In rows with zero spacing

#### Connection data

Type of connection	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

#### Certificates / Approvals



Certification CUL, CUL Listed, GL, GOST, UL, UL Listed

#### Accessories

Item	Designation	Description
<b>Assembly</b>		
0801762	NS 35/ 7,5 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, height 7.5 mm, width 35 mm, length: 2 m

0801733	NS 35/ 7,5 PERF 2000MM	DIN rail, material: Steel, perforated, height 7.5 mm, width 35 mm, length: 2 m
0801681	NS 35/ 7,5 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 7.5 mm, width 35 mm, length: 2 m
0801377	NS 35/ 7,5 V2A UNPERF 2000MM	DIN rail, material: High-grade steel V2A, unperforated, height 5.5 mm, width 15 mm, length: 2 m
1201756	NS 35/15 AL UNPERF 2000MM	DIN rail, deep-drawn, high profile, unperforated, 1.5 mm thick, material: Aluminum, height 15 mm, width 35 mm, length 2 m
1201895	NS 35/15 CU UNPERF 2000MM	DIN rail, material: Copper, unperforated, 1.5 mm thick, height 15 mm, width 35 mm, length: 2 m
1201730	NS 35/15 PERF 2000MM	DIN rail, material: Steel, perforated, height 15 mm, width 35 mm, length: 2 m
1201714	NS 35/15 UNPERF 2000MM	DIN rail, material: Steel, unperforated, height 15 mm, width 35 mm, length: 2 m
1201798	NS 35/15-2,3 UNPERF 2000MM	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

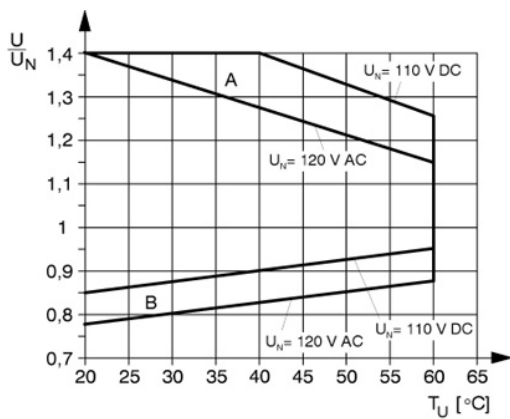
2966812	FBST 6-PLC BU	Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC, color of the insulation material: blue
2966825	FBST 6-PLC GY	Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC, color of the insulation material: gray
2966236	FBST 6-PLC RD	Plug-in bridge, 2-pos., 6 mm long, insulated, for potential distribution with PLC, color of the insulation material: red
2967688	FBST 8-PLC GY	Plug-in bridge, 2-pos., 8 mm long, insulated, for potential distribution with PLC, with separating plate, color of the insulation material: gray
2967691	FBST 14-PLC BK	Plug-in bridge, 2-pos., 14 mm long, insulated, to increase efficiency with PLC...IC and PLC..HC, color of the insulation material: black
2966692	FBST 500-PLC BU	Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC..., color of the insulating material: blue
2966838	FBST 500-PLC GY	Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC..., color of the insulating material: gray
2966786	FBST 500-PLC RD	Continuous plug-in bridge, 500 mm long, insulated, can be cut to length, for potential distribution with PLC..., color of the insulating material: red

**Marking**

1053001	ZB 10:UNBEDRUCKT	Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, sufficient for 100 terminal blocks, for a terminal width of 10.2 mm, color: White
1053014	ZB10,LGS:FORTL.ZAHLEN	Zack strip, 10-section, printed horizontally: with the numbers, 1-10, 11-20 etc. up to 991-1000, color: white
5060883	ZB10/WH-100:UNBEDRUCKT	Zack strip, unprinted: 10-section, for individual labeling with M-PEN, ZB-T or CMS system, large batch, sufficient for labeling 1000 terminal blocks, for a terminal width of 10.2 mm, color: White

**Drawings**

Diagram



Circuit diagram

