

# PLC-RPT-230UC/21AU - Relay Module



2900311

<https://www.phoenixcontact.com/in/products/2900311>

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.



PLC-INTERFACE, consisting of PLC-BPT.../21 basic terminal block with Push-in connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 230 V AC/220 V DC

## Your advantages

- Slim design
- Efficient connection to system cabling using V8 adapter
- RT III sealed relay
- Safe isolation according to DIN EN 50178 between coil and contact
- Integrated input circuit and interference suppression circuit
- Functional plug-in bridges

## Commercial Data

Item number	2900311
Packing unit	10 pc
Minimum order quantity	1 pc
Sales Key	CK6
Product Key	CK623B
Catalog Page	Page 365 (C-5-2019)
GTIN	4046356509244
Weight per Piece (including packing)	35.788 g
Weight per Piece (excluding packing)	33.188 g
Customs tariff number	85364900
Country of origin	IN

# PLC-RPT-230UC/21AU - Relay Module



2900311

<https://www.phoenixcontact.com/in/products/2900311>

## Set consists of

### PLC-BPT-230UC/21 - Relay base

2900281

<https://www.phoenixcontact.com/in/products/2900281>



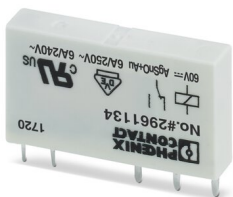
6.2 mm PLC basic terminal block with Push-in connection, without relay or solid-state relay, for mounting on DIN rail NS 35/7,5, 1 changeover contact, input voltage 230 V AC/DC

---

### REL-MR- 60DC/21AU - Single relay

2961134

<https://www.phoenixcontact.com/in/products/2961134>



Plug-in miniature power relay, with multi-layer gold contact, 1 changeover contact, input voltage 60 V DC

# PLC-RPT-230UC/21AU - Relay Module



2900311

<https://www.phoenixcontact.com/in/products/2900311>

## Technical Data

### Product properties

Product type	Relay Module
Product family	PLC-INTERFACE
Application	Universal
Operating mode	100% operating factor
Mechanical service life	2x 10 <sup>7</sup> cycles

### Insulation characteristics

Overvoltage category	III
Pollution degree	3

### Electrical properties

Maximum power dissipation for nominal condition	0.74 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	230 V AC
	220 V DC
Input voltage range	179.4 V AC ... 264.5 V AC (20 °C)
	171.6 V DC ... 253 V DC (20 °C)
Typical input current at $U_N$	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
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

### Output data

#### Switching

Contact type	1 changeover contact
Type of switch contact	Single contact
Drive and function	monostable
Drive (polarity)	polarized
Contact material	AgSnO <sub>2</sub> , hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Minimum switching voltage	100 mV (10 mA)
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Min. switching current	1 mA (24 V)

# PLC-RPT-230UC/21AU - Relay Module



2900311

<https://www.phoenixcontact.com/in/products/2900311>

Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)
Switching: when the gold layer is destroyed	
Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Minimum switching voltage	5 V (at 100 mA)
Limiting continuous current	6 A
Min. switching current	10 mA (at 12 V)
Interrupting rating (ohmic load) max.	140 W (at 24 V DC)
	20 W (at 48 V DC)
	18 W (at 60 V DC)
	23 W (at 110 V DC)
	40 W (at 220 V DC)
Switching capacity	1500 VA (for 250 V AC)
	2 A (at 24 V, DC13)
	0.2 A (at 110 V, DC13)
	0.1 A (at 220 V, DC13)
	3 A (at 24 V, AC15)
	3 A (at 120 V, AC15)
	3 A (at 230 V, AC15)

## Connection data

Connection method	Push-in connection
Stripping length	10 mm
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 mm <sup>2</sup> (TWIN ferrule)
Conductor cross section AWG	26 ... 14

## Dimensions

Width	6.2 mm
Height	80 mm
Depth	94 mm

## Material specifications

Flammability rating according to UL 94	V0 (Housing)
--	--------------

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Relay)	RT III (Relay)
Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-40 °C ... 55 °C

# PLC-RPT-230UC/21AU - Relay Module



2900311

<https://www.phoenixcontact.com/in/products/2900311>

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

## Approvals

### Corrosive gas test

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

## Standards and regulations

Standards/regulations	IEC 60947-5-1
-----------------------	---------------

## Mounting

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

Phoenix Contact 2023 © - all rights reserved  
<https://www.phoenixcontact.com>

PHOENIX CONTACT (I) Pvt. Ltd.  
A-58/2, Okhla Industrial Area, Phase - II, New Delhi-110 020

+91.1275.71420  
[info@phoenixcontact.co.in](mailto:info@phoenixcontact.co.in)