

# PLC-RSC-230UC/ 1AU/SEN - Relay module



2966333

<https://www.phoenixcontact.com/us/products/2966333>

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 for input functions, consisting of PLC-BSC.../SEN basic terminal block with screw connection and plug-in miniature relay with multi-layer gold contact, for mounting on DIN rail NS 35/7,5, 1 N/O contact, input voltage 230 V AC/220 V DC

## Your advantages

- Efficient connection to system cabling using V8 adapter
- Time savings of up to 60 %
- No need for additional modular terminal blocks
- Relay modules with safe isolation according to DIN EN 50178 between coil and contact
- Space savings of up to 80 %
- Sensor connected directly to relay module
- Functional plug-in bridges

## Commercial data

Item number	2966333
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C461
Product key	DK6227
GTIN	4017918130763
Weight per piece (including packing)	39.8 g
Weight per piece (excluding packing)	33.6 g
Customs tariff number	85364900
Country of origin	DE

# PLC-RSC-230UC/ 1AU/SEN - Relay module



2966333

<https://www.phoenixcontact.com/us/products/2966333>

## Technical data

### Product properties

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

### Data management status

Date of last data management	01.04.2026
------------------------------	------------

### Electrical properties

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

### Insulation characteristics: Coil/contact

Rated insulation voltage	250 V
Rated impulse withstand voltage	6 kV
Overvoltage category	III
Degree of pollution	3

### 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)
Nominal voltage (plugged-in electromechanical relay)	60 V DC
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at $U_N$	3.2 mA
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 switching type	1 N/O contact
Type of switch contact	Single contact
Contact material	AgSnO, hard gold-plated
Maximum switching voltage	30 V AC

# PLC-RSC-230UC/ 1AU/SEN - Relay module



2966333

<https://www.phoenixcontact.com/us/products/2966333>

	36 V DC
Minimum switching voltage	100 mV (at 10 mA)
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Min. switching current	1 mA (24 V)
Short-circuit current	200 A (conditional short-circuit current)
Interrupting rating (ohmic load) max.	1 W (at 24 V DC)
Output fuse	4 A gL/gG NEOZED

Switching: when the gold layer is destroyed

Note	<b>the following values are applicable if a gold layer is destroyed</b>
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)
	1500 VA (for 250 V AC)
Switching capacity	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	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

## Dimensions

Item dimensions

Width	6.2 mm
Height	80 mm

# PLC-RSC-230UC/ 1AU/SEN - Relay module



2966333

<https://www.phoenixcontact.com/us/products/2966333>

Depth	94 mm
-------	-------

## Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94 (Housing)	V0 (Housing)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection (Relay base)	IP20 (Relay base)
Ambient temperature (operation)	-40 °C ... 70 °C (see to derating)
Ambient temperature (storage/transport)	-40 °C ... 85 °C

## Approvals

### CE

Certificate	CE-compliant
-------------	--------------

### UKCA

Certificate	UKCA-compliant
-------------	----------------

### Shipbuilding approval

Certificate	TAE0000196
-------------	------------

### Corrosive gas test

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

### Shipbuilding data

Temperature	D
Humidity	A
Vibration	B/C
EMC	B
Enclosure	Required protection according to the Rules shall be provided upon installation on board

## EMC data

Electromagnetic compatibility	Conformance with EMC directive
Low Voltage Directive	Conformance with Low Voltage Directive

## Standards and regulations

### Standards/regulations

Standards/regulations	IEC 60664
	IEC 60947-5-1

## Mounting

Mounting type	DIN rail mounting
---------------	-------------------

# PLC-RSC-230UC/ 1AU/SEN - Relay module



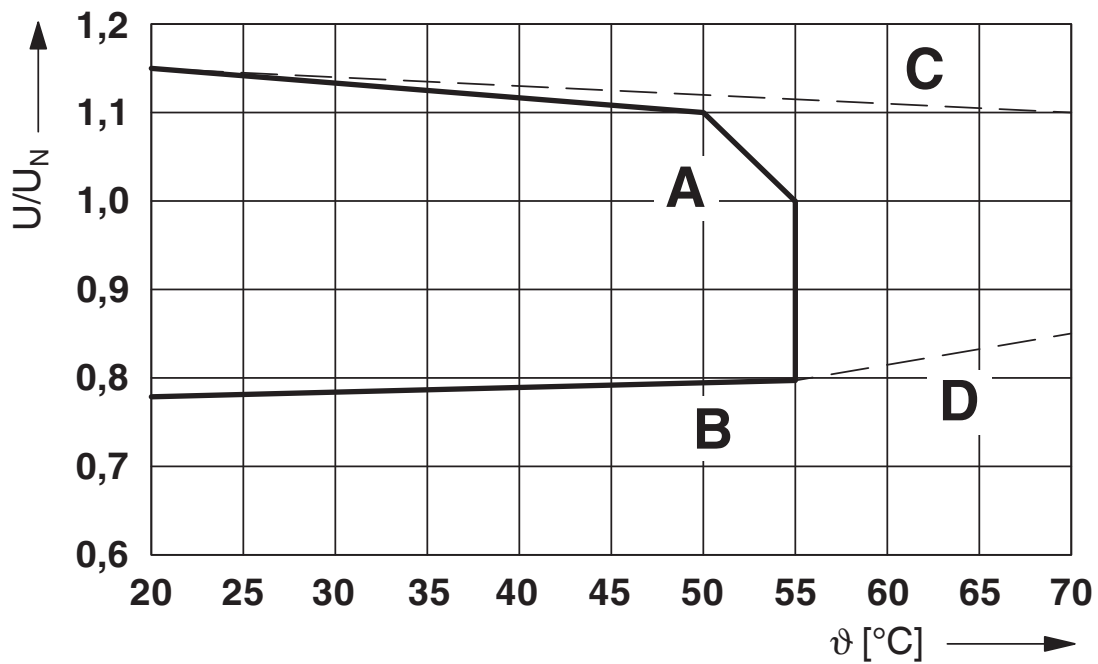
2966333

<https://www.phoenixcontact.com/us/products/2966333>

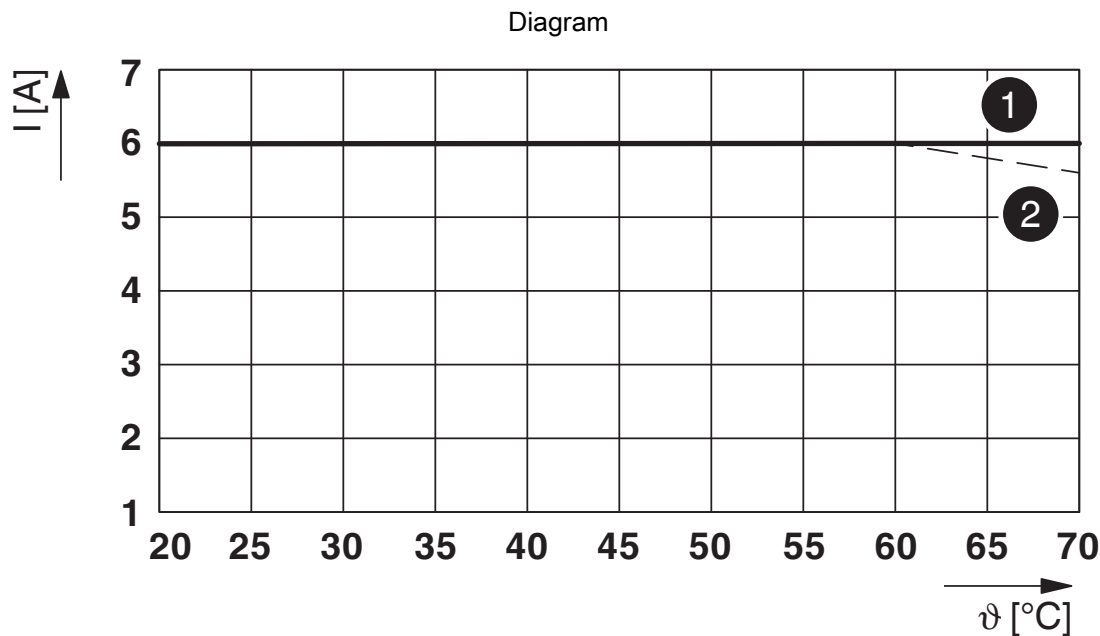
Assembly note	in rows with zero spacing
Mounting position	any

Drawings

Diagram



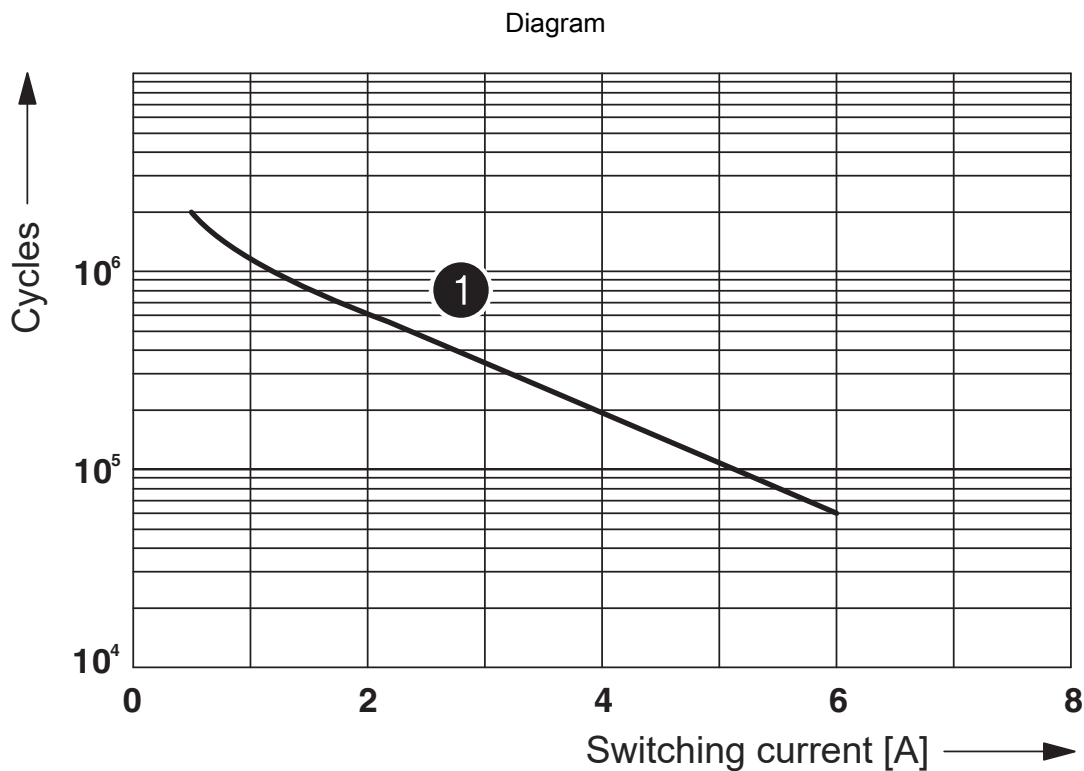
- Curve A: Maximum permissible continuous voltage  $U_{max}$  with limiting continuous current on the contact side, without spacing
- Curve B: Minimum permissible operate voltage  $U_{op}$  after pre-excitation, without spacing
- Curve C: Maximum permissible continuous voltage  $U_{max}$  with limiting continuous current on the contact side, with 9.5 mm spacing
- Curve D: Minimum permissible operate voltage  $U_{op}$  after pre-excitation, with 9.5 mm spacing



**Limiting continuous current** per contact for 0.85 ... 1.1  $U_N$  (contact-side), clearance 9.5 mm = CLIPFIX 35 (3022218)

(1) Limiting continuous current for horizontal installation position without clearance

(2) Limiting continuous current for vertical installation position without clearance



① 250 V AC, ohmic load

Diagram



Permissible humidity for operation and storage.

The maximum permissible ambient temperature as specified in the data sheet must be observed.

Area A: Ice buildup at ambient temperatures  $\leq 0^\circ\text{C}$  must be prevented

Area B: Condensation at ambient temperatures  $> 0^\circ\text{C}$  must be prevented

On 30 full days that are naturally distributed across an entire year, a humidity level of 95% is permissible at an ambient temperature  $\leq 25^\circ\text{C}$ .

Circuit diagram



# PLC-RSC-230UC/ 1AU/SEN - Relay module



2966333

<https://www.phoenixcontact.com/us/products/2966333>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2966333>



**cULus Listed**

Approval ID: E140324



**cULus Listed**

Approval ID: E140324



**cULus Listed**

Approval ID: E140324

**DNV**

Approval ID: TAE0000196

# PLC-RSC-230UC/ 1AU/SEN - Relay module



2966333

<https://www.phoenixcontact.com/us/products/2966333>

## Classifications

### ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

### ETIM

ETIM 10.0	EC001437
-----------	----------

### UNSPSC

UNSPSC 21.0	39122300
-------------	----------

2966333

<https://www.phoenixcontact.com/us/products/2966333>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
SCIP	3f6ecc46-6fbe-4ef9-b04b-bd5335c7720b

### EF3.1 Climate Change

CO2e kg	0.772 kg CO2e
---------	---------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
 586 Fulling Mill Road  
 Middletown, PA 17057, United States  
 (+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)