

2906229

<https://www.phoenixcontact.com/us/products/2906229>

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.



Universally configurable 4-way signal conditioner, with switching output and plug-in connection technology for the electrical isolation of analog signals. Configurable via DIP switch or software. Screw connection technology, standard configuration.

Commercial data

Item number	2906229
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CMMA12
GTIN	4055626047997
Weight per piece (including packing)	125 g
Weight per piece (excluding packing)	110.5 g
Customs tariff number	85437090
Country of origin	DE

## Technical data

### Product properties

Product type	Signal conditioner
--------------	--------------------

### Electrical properties

#### General

Accuracy class	1
----------------	---

### Input data

#### Signal

Input signal (at 50 Hz)	100 mV (1000 A)
-------------------------	-----------------

#### Measurement

Number of inputs	1
------------------	---

#### Current transformer

Primary rated current $I_{pn}$	4000 A
Accuracy class	1

#### Measurement

Maximum transmission error	$\leq 0.5 \%$ (From the range end value)
----------------------------	--

### Output data

#### Signal

Configurable/programmable	Yes
Voltage output signal	0 V ... 10 V (via DIP switch)
	2 V ... 10 V (via DIP switch)
	0 V ... 5 V (via DIP switch)
	1 V ... 5 V (via DIP switch)
	0 V ... 10.5 V (can be set via software)
Max. voltage output signal	approx. 12.3 V
Current output signal	0 mA ... 20 mA (via DIP switch)
	4 mA ... 20 mA (via DIP switch)
	0 mA ... 10 mA (via DIP switch)
	2 mA ... 10 mA (via DIP switch)
	0 mA ... 21 mA (can be set via software)
Max. current output signal	24.6 mA
Load/output load voltage output	$\geq 10 \text{ k}\Omega$
Load/output load current output	$\leq 600 \Omega$ (20 mA)
Ripple	$< 20 \text{ mV}_{PP}$
	$< 20 \text{ mV}_{PP}$

### Connection data

# PACT RCP-4000A-UIRO - Signal conditioner



2906229

<https://www.phoenixcontact.com/us/products/2906229>

Connection method	Screw connection
Stripping length	10 mm

## Measuring transducer side

Connection method	Screw connection
Stripping length	10 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm² ... 1.5 mm²
Conductor cross-section flexible	0.2 mm² ... 1.5 mm²
Conductor cross-section AWG	26 ... 16

## Material specifications

Housing material	PBT
------------------	-----

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C
---------------------------------	------------------

## Approvals

### UKCA

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

### CMIM

Certificate	CMIM-compliant
-------------	----------------

## EMC data

### Electromagnetic HF field

Frequency range	16 Hz ... 1000 Hz
-----------------	-------------------

## Mounting

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

# PACT RCP-4000A-UIRO - Signal conditioner

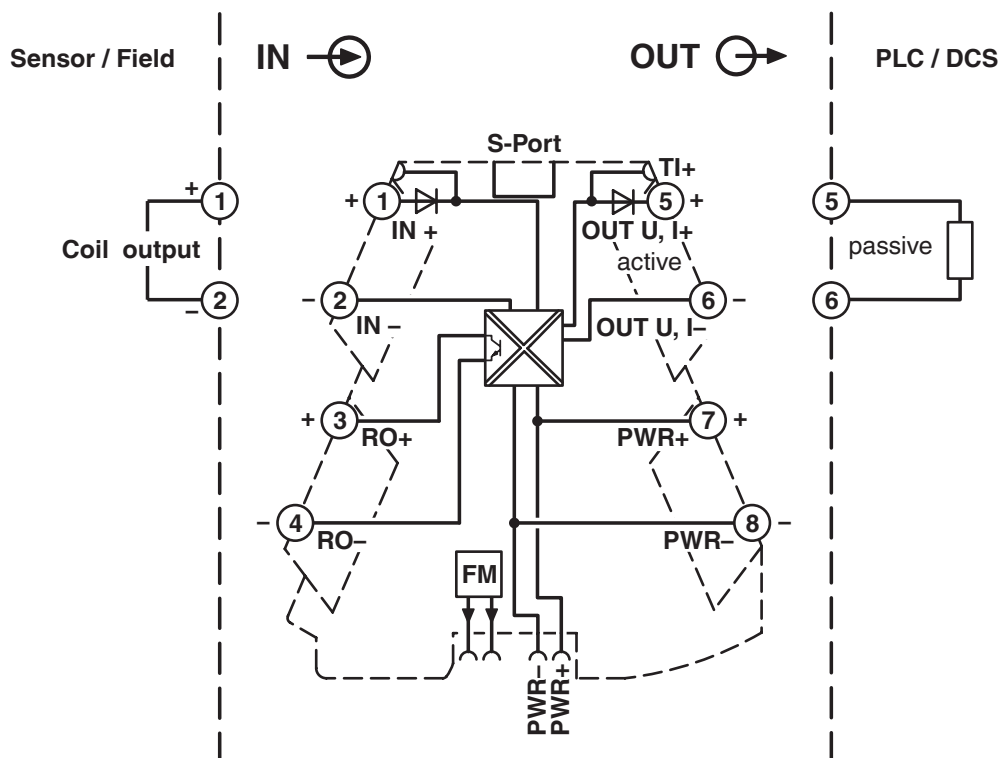
2906229

<https://www.phoenixcontact.com/us/products/2906229>



## Drawings

Block diagram



# PACT RCP-4000A-UIRO - Signal conditioner



2906229

<https://www.phoenixcontact.com/us/products/2906229>

## Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2906229>



**EAC**

Approval ID: RU\*DE\*08.B.01187/19



**UL Listed**

Approval ID: E123528



**cUL Listed**

Approval ID: E123528

# PACT RCP-4000A-UIRO - Signal conditioner



2906229

<https://www.phoenixcontact.com/us/products/2906229>

## Classifications

### ECLASS

ECLASS-13.0	27210120
ECLASS-15.0	27210120

### ETIM

ETIM 9.0	EC002653
----------	----------

### UNSPSC

UNSPSC 21.0	39121000
-------------	----------

## 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.)	Lead(CAS: n/a)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: n/a)
SCIP	7b8669ea-ebc4-419d-b33e-242d6ee496e4