

# PACT RCP-4000A-UIRO - Signal conditioner



2906229

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

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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)	110.5 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
Product family	4-way signal conditioner

### Electrical properties

#### General

Accuracy class	1
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### Input data

#### Signal

Input signal (at 50 Hz)	100 mV (1000 A)
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#### Measurement

Number of inputs	1
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#### Current transformer

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

#### Measurement

Maximum transmission error	$\leq 0.5\%$ (From the range end value)
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### 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	$< 20\text{ mV}_{PP}$
	$< 20\text{ mV}_{PP}$

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## Connection data

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 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 16

## Material specifications

Housing material	PBT
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## Environmental and real-life conditions

### Ambient conditions

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

### CMIM

Certificate	CMIM-compliant
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## EMC data

### Electromagnetic HF field

Frequency range	16 Hz ... 1000 Hz
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## Mounting

Mounting type	DIN rail mounting
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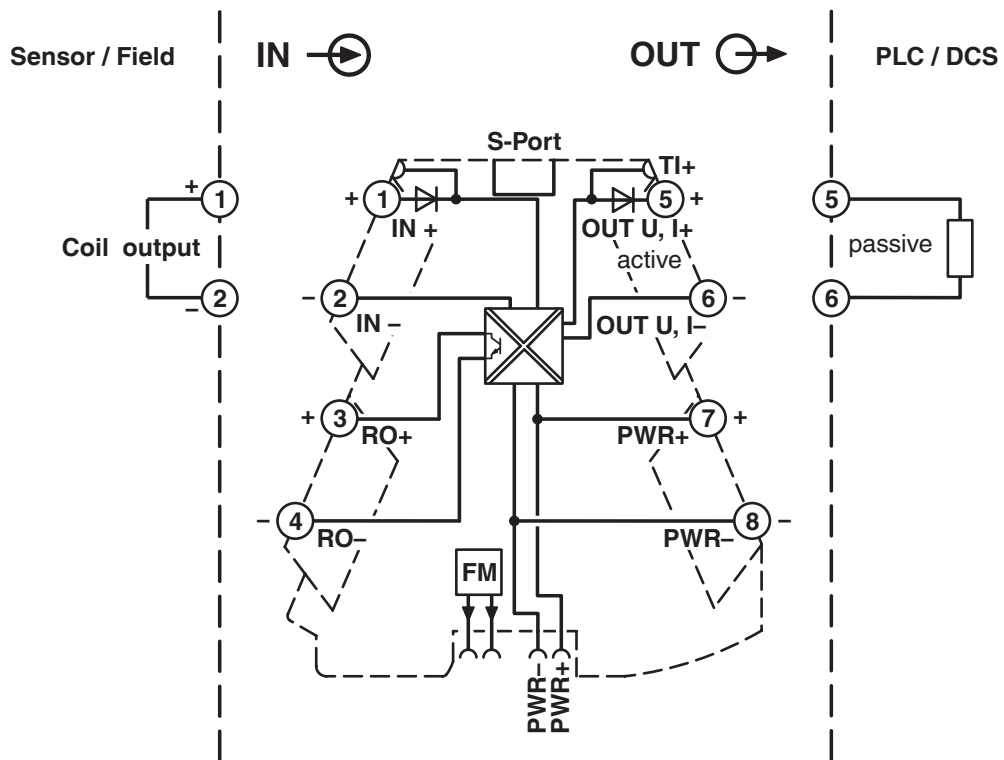
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## Drawings

Block diagram



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## 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



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## Classifications

### ECLASS

ECLASS-13.0	27210120
ECLASS-15.0	27210120

### ETIM

ETIM 10.0	EC002653
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### UNSPSC

UNSPSC 21.0	39121000
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## 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: 7439-92-1)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)
SCIP	7b8669ea-ebc4-419d-b33e-242d6ee496e4

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