

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	CK4A12
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

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Technical data

Notes

Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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Product properties

Product type	Signal conditioner
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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 transformers

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

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

Signal

Configurable/programmable	Yes
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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
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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
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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

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 ² ... 1.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
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

UKCA

Certificate	UKCA-compliant
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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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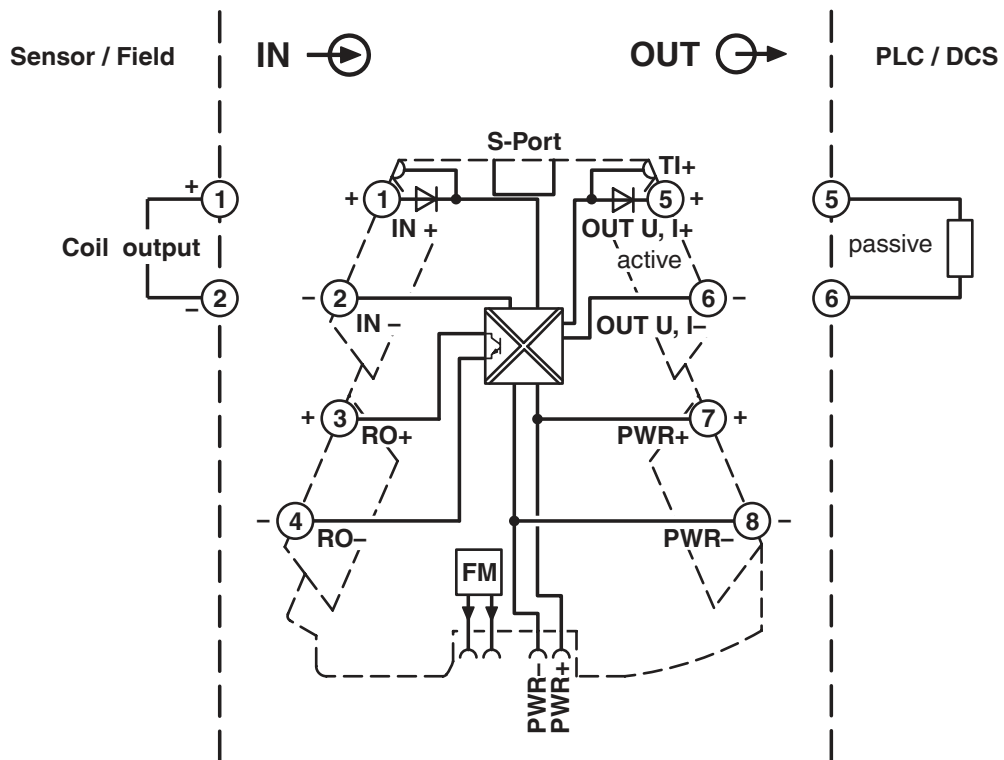


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Drawings

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: FILE E 123528



cUL Listed

Approval ID: FILE E 123528

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	27210120
ECLASS-12.0	27210120
ECLASS-13.0	27210120

ETIM

ETIM 8.0	EC002653
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UNSPSC

UNSPSC 21.0	39121000
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Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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