PACT RCP-4000A-UIRO - Signal conditioner

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)	69.2 g
Weight per piece (excluding packing)	69.2 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

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	≤ 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	≥ 10 kΩ
Load/output load current output	≤ 600 Ω (20 mA)
Ripple	< 20 mV_{PP}
	< 20 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 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

CMIM

Certificate	CMIM-compliant

EMC data

Electromagnetic HF field

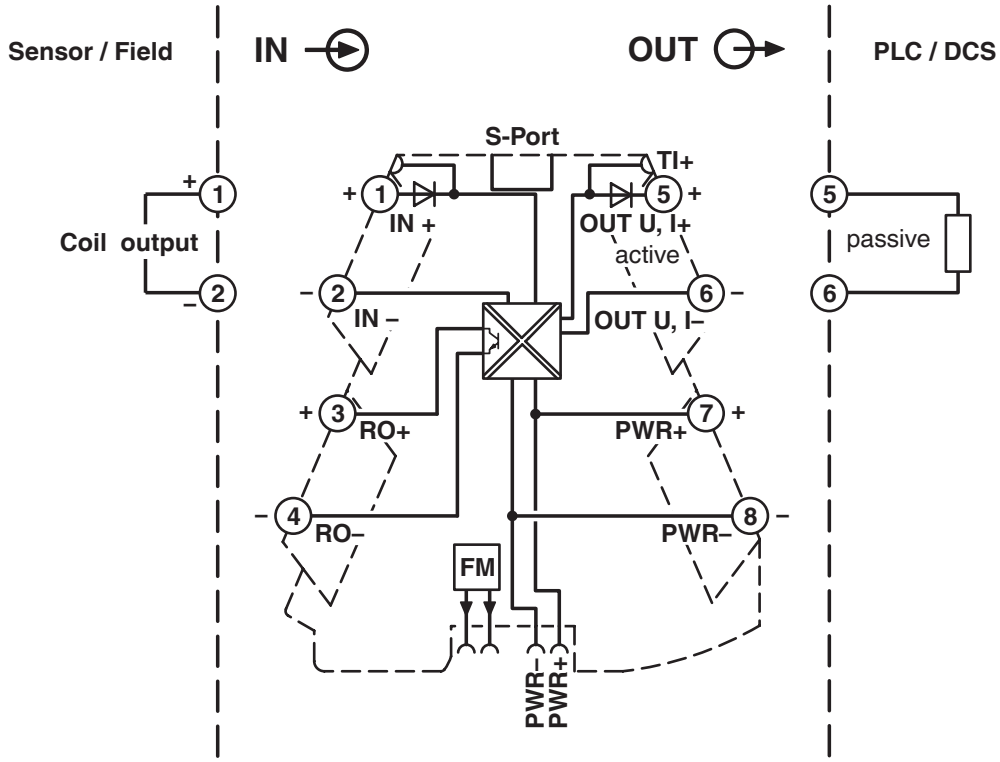
Frequency range	16 Hz ... 1000 Hz

Mounting

Mounting type	DIN rail mounting

Drawings

Block diagram



Approvals

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

UL Listed
Approval ID: E123528

cUL Listed
Approval ID: E123528

Classifications

ECLASS

ECLASS-13.0	27210120
ECLASS-15.0	27210120

ETIM

ETIM 10.0	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: 7439-92-1)
SCIP	7b8669ea-ebc4-419d-b33e-242d6ee496e4

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