

INDUSTRIAL COMPONENT DATA

PACT RCP-4000A-1A-D140-10M 1033483 PHOENIX CONTACT

Current transformer

Brand: PHOENIX CONTACT | Manufacturer Part Number: PACT RCP-4000A-1A-D140-10M



Manufacturer	PHOENIX CONTACT
MPN / Reference	PACT RCP-4000A-1A-D140-10M
Catalog number	1033483
Category	Current transformer
Minimum order	1 Pcs
Document ID	EO-EBCD7B0B00
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Product Overview

Current transformer

Set consisting of a 1 A measuring transducer and a Rogowski coil with signal line. Rogowski coil length: 450 mm, diameter: 140 mm. Signal line length: 10 m. The Rogowski coil measures AC current from busbars and high-voltage lines.

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	PHOENIX CONTACT > INTERFACE Components (IF)
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Additional Product Information

Key Commercial Data

Orderkey 1033483

Packing unit 1 pc

GTIN 4055626539218

Weight per Piece (excluding packing) 440.300 g

Custom tariff number 85437090

Country of origin DE (Germany)

Measuring transducer supply

Nominal supply voltage 24 V DC -20 % ... +25 %

Nominal supply voltage range 19.2 V DC ... 30 V DC

Max. current consumption 190 mA

Power consumption 4 W

Measuring coil input data

Frequency measuring range 40 Hz ... 20000 Hz

Position error < 1 %

Linearity error 0.1 %

Measuring transducer input data

Measuring ranges (current) 100 A 250 A 400 A 630 A 1000 A 1500 A 2000 A 4000 A

Configurable/programmable Via DIP switches

Phase angle < 1 °

Rated power 1.5 VA

Max. distances for copper cables at PN max 32 m (0.75 mm² (AWG 20))

64 m (1.5 mm² (AWG 16))

107 m (2.5 mm² (AWG 14))

Measuring transducer signal input

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

Input impedance 27 k Ω (smallest measuring range)

Measuring coil signal output

Output signal (at 50 Hz) 100 mV (no load, at 1,000 A)

Output voltage (in no-load operation) $V_{OUT} = M \cdot dI/dt$

Output voltage (sinusoidal, in no-load operation) 100 mV ($V_{OUT} = 2 \cdot \pi \cdot M \cdot f \cdot I$ (M = 0.318 μ H; example: At 50 Hz; I = 1,000 A))

Measuring transducer signal output

Current output signal 0 A AC ... 1 A

Load 0 Ω ... 1.5 Ω

General data, measuring coil

Length of measuring coil 450 mm

Diameter of measuring coil 8.3 mm $\pm$ 0.2 mm

Length of signal cable 3000 mm

Conductor structure signal line 2x 0.22 mm (Signal (tinned))

1x 0.22 mm (Shielding (tinned))

Coil ma...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PACT RCP-4000A-1A-D140-10M with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

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