INDUSTRIAL COMPONENT DATA

PACT RCP-4000A-1A-D140 2904922 PHOENIX CONTACT Current transformer

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



Manufacturer	PHOENIX CONTACT
MPN / Reference	PACT RCP-4000A-1A-D140
Catalog number	2904922
Category	Current transformer
Minimum order	1 Pcs
Document ID	EO-A43B564538
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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: 3 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)

Additional Product Information

Key Commercial Data
Orderkey 2904922
Packing unit 1 pc
Catalog page Page 236 (C-5-2017)
GTIN 4046356900959
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? (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) VOUT= M * dI/dt
Output voltage (sinusoidal, in no-load operation) 100 mV (VOUT= 2 * ? * M * f * I (M = 0.318 uH; example: At 50 Hz; I = 1,000 A))
Measuring transducer signal output
Current output signal 0 A AC ... 1 A
Load 0 ? ... 1.5 ?
General data, measuring coil
Length of measuring coil 450 mm
Diameter of measuring coil 8.3 mm ±0.2 mm
Length of signal cable 3000 mm
Conductor structure signal line 2x 0.22 mm (Signal (tinned))
1x 0.2...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send PHOENIX CONTACT / PACT RCP-4000A-1A-D140 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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