

**INDUSTRIAL COMPONENT DATA**

# PACT RCP-4000A-1A-D190-3M-UV 1033485 PHOENIX CONTACT Current transformer

Brand: PHOENIX CONTACT | Manufacturer Part Number: PACT RCP-4000A-1A-D190-3M-UV



|                 |                              |
|-----------------|------------------------------|
| Manufacturer    | PHOENIX CONTACT              |
| MPN / Reference | PACT RCP-4000A-1A-D190-3M-UV |
| Catalog number  | 1033485                      |
| Category        | Current transformer          |
| Minimum order   | 1 Pcs                        |
| Document ID     | EO-E281BCDEE8                |
| Generated       | 2026-08-02                   |

## Product Overview

Current transformer

Set consisting of a 1 A measurement transducer and a Rogowski coil resistant to ultraviolet rays with signal line. Rogowski coil length: 600 mm, diameter: 190 mm. Signal line length: 3 m. The 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 &gt; INTERFACE Components (IF)

## Additional Product Information

Key Commercial Data

Orderkey 1033485

Packing unit 1 pc

GTIN 4055626538761

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 &lt; 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 &lt; 1 °

Rated power 1.5 VA

Max. distances for copper cables at PN max 32 m (0.75 mm<sup>2</sup> (AWG 20))64 m (1.5 mm<sup>2</sup> (AWG 16))107 m (2.5 mm<sup>2</sup> (AWG 14))**Measuring transducer signal input**

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

Input impedance 27 k $\Omega$  (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 ( $V_{OUT} = 2 \cdot \pi \cdot f \cdot M \cdot I$  (M = 0.318  $\mu$ H; example: At 50 Hz; I = 1,000 A))**Measuring transducer signal output**

Current output signal 0 A AC ... 1 A

Load 0  $\Omega$  ... 1.5  $\Omega$ **General data, measuring coil**

Length of measuring coil 600 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-D190-3M-UV with the required quantity to [info@electricaonline.com](mailto:info@electricaonline.com) or use [electricaonline.com/request-quote](https://electricaonline.com/request-quote).

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