

# PACT MCR-V2-4012- 70- 250-5A-1 - Current transformer



2277116

<https://www.phoenixcontact.com/us/products/2277116>

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Window-type current transformer, 250 A AC primary current; 5 A AC secondary current; accuracy class 1; 5 VA rated power

## Commercial data

Item number	2277116
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CK4A11
Catalog page	Page 213 (C-5-2019)
GTIN	4046356305082
Weight per piece (including packing)	385 g
Weight per piece (excluding packing)	299 g
Customs tariff number	85043129
Country of origin	DE

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## Technical data

### Product properties

Product type	Current transformer
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### Electrical properties

Rated insulation voltage	1 kV (Phase/neutral conductor)
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#### General

Can be calibrated	no
Converter type	Window-type current transformer

### Input data

#### Current transformers

Rated power	5 VA
Thermal rated short-time current	$I_{th} = 60 * I_n$
Thermal rated continuous current	$I_d = 1.2 * I_n$
Rated surge current	$I_{dyn} = 2.5 * I_{th}$
Rated frequency $f_n$	50 Hz 60 Hz
Primary rated current $I_{pn}$	0 A AC ... 250 A AC
Primary rated current range	1 A AC ... 4000 A AC (depends on type)
Can be calibrated	no
Converter type	Window-type current transformer

### Output data

#### Signal

Designation	Current output
Secondary rated current $I_{sn}$	5 A AC
Surge current limitation factor	FS 5
Accuracy class	1

### Connection data

Connection method	Screw connection
Conductor cross section flexible	2x 2.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> (Secondary terminals)

### Dimensions

#### Item dimensions

Width	30 mm
Height	90 mm
Depth	70 mm

#### Item dimensions with alternative mounting

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Width	70 mm
Height	90 mm
Depth	30 mm

## Copper rail

Width	40 mm
Height	12 mm

## Copper rail 2

Width	30 mm
Height	10 mm

## Circular conductor

Diameter	33 mm
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## Material specifications

Color	black (RAL 9005)
Housing material	PA 6.6

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 40 °C
Ambient temperature (storage/transport)	-25 °C ... 40 °C
Altitude	≤ 1000 m
Permissible humidity (operation)	Use only indoors, non-condensing

## Approvals

### UL, USA/Canada

Identification	XODW8.E323953
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## Standards and regulations

Standards/regulations	EN 61869
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## Mounting

Mounting type	DIN rail mounting
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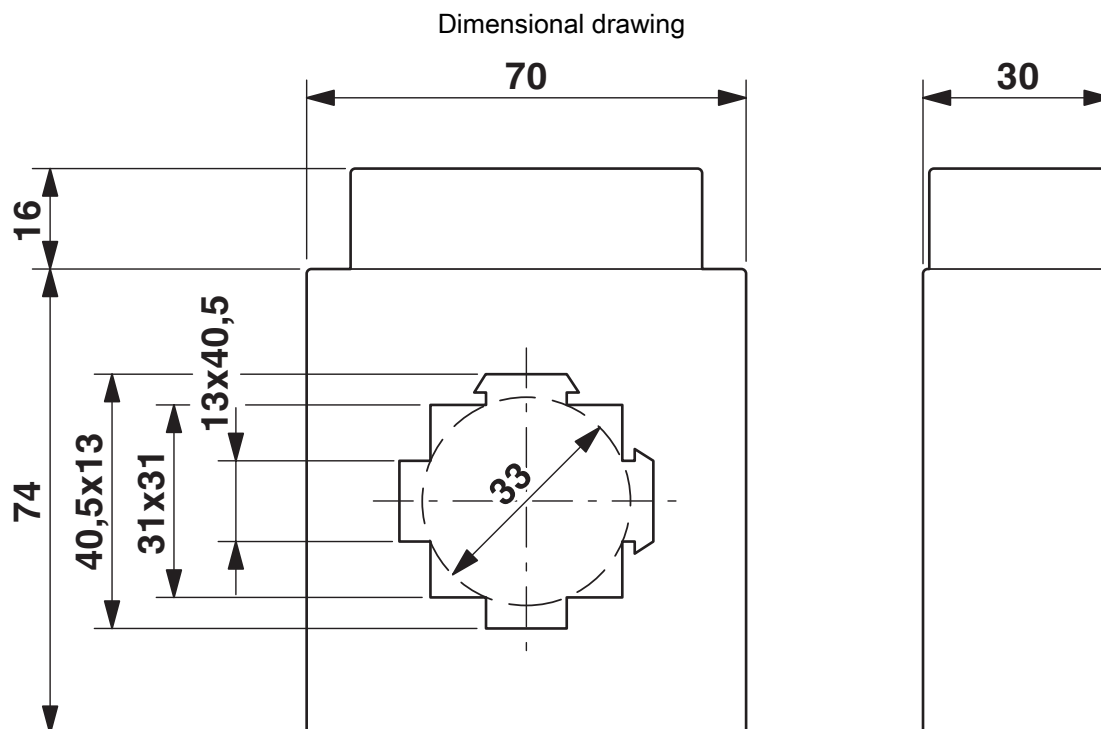
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## Drawings



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2277116>



**EAC**

Approval ID: RU\*DE\*08.B.01187/19

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## Classifications

### ECLASS

ECLASS-11.0	27210902
ECLASS-12.0	27210902
ECLASS-13.0	27210902

### ETIM

ETIM 9.0	EC002048
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### UNSPSC

UNSPSC 21.0	39121000
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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.)	No substance above 0.1 wt%
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## Accessories

### PACT-FAST-MNT-W13-L65 - Mounting material

2276625

<https://www.phoenixcontact.com/us/products/2276625>



The transformer quick-action mechanism enables the lightning-fast mounting of PACT current transformers on the power rail. The installation can be completed easily by hand without the use of tools. Fixing pins: 65 mm, holding latches: 13 mm

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### PACT-FAST-MNT-W13-L40 - Mounting material

2276612

<https://www.phoenixcontact.com/us/products/2276612>



The transformer quick-action mechanism enables the lightning-fast mounting of PACT current transformers on the power rail. The installation can be completed easily by hand without the use of tools. Fixing pins: 40 mm, holding latches: 13 mm



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## PACT MCR-RA - DIN rail adapter

2277598

<https://www.phoenixcontact.com/us/products/2277598>

Adapter for mounting on DIN rails.



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