

# PACT MCR-V2-4012- 70- 500-5A-1 - Current transformer



2277682

<https://www.phoenixcontact.com/us/products/2277682>

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Window-type current transformer, 500 A AC primary current; 5 A AC secondary current; accuracy class 1; 10 VA rated power

## Commercial data

Item number	2277682
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CK4A11
Catalog page	Page 213 (C-5-2019)
GTIN	4046356459655
Weight per piece (including packing)	330.8 g
Weight per piece (excluding packing)	303.5 g
Customs tariff number	85043129
Country of origin	DE

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## Technical data

### Product properties

Product type	Current transformer
Data management status	
Article revision	06

### Electrical properties

Rated insulation voltage	1 kV (Phase/neutral conductor)
General	
Can be calibrated	no
Converter type	Window-type current transformer

### Input data

Current transformer	
Rated power	10 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 ... 500 A AC
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 10 mm <sup>2</sup> (Secondary terminals)
Tightening torque	2 Nm

### Dimensions

Item dimensions	
Width	31 mm
Height	92 mm

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Depth	70 mm
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## Item dimensions with alternative mounting

Width	70 mm
Height	92 mm
Depth	31 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	gray (RAL 7042)
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
Insulating material class	H

## Approvals

### CE

Certificate	CE-compliant
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### UKCA

Certificate	UKCA-compliant
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### 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
	Wall mounting

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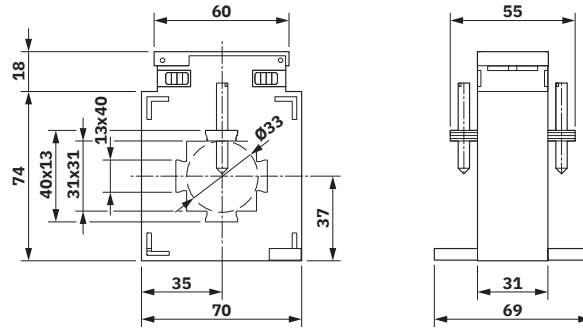


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## Drawings

Dimensional drawing



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## Approvals

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**EAC**

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



**cULus Recognized**

Approval ID: E323953

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## Classifications

### ECLASS

ECLASS-11.0	27210902
ECLASS-13.0	27210902
ECLASS-12.0	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-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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