

# PACT MCR-V1-21-44-500-5A-1 - Current transformer



2277792

<https://www.phoenixcontact.com/us/products/2277792>

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

## Commercial data

Item number	2277792
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CMMA11
GTIN	4046356502061
Weight per piece (including packing)	184.9 g
Weight per piece (excluding packing)	100 g
Customs tariff number	85043129
Country of origin	DE

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## Technical data

### Product properties

Product type	Current transformer
Product family	Bus-bar current transformer

### Electrical properties

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

Can be calibrated	no
Converter type	Bus-bar 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	Bus-bar 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	68 mm
Depth	44 mm

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## Item dimensions with alternative mounting

Width	44 mm
Height	68 mm
Depth	31 mm

## Circular conductor

Diameter	20 mm
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## Material specifications

Color	gray (RAL 7042)
Flammability rating according to UL 94	V0 (Housing)
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
	Panel mounting

Drawings

Dimensional drawing



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## Approvals

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**cULus Recognized**  
Approval ID: E323953

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## Classifications

### ECLASS

ECLASS-13.0	27210902
ECLASS-15.0	27210902

### ETIM

ETIM 10.0	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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