

# PACT MCR-V1-21-44-400-5A-1 - Current transformer



2277051

<https://www.phoenixcontact.com/us/products/2277051>

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Bus-bar current transformer, 400 A AC primary current; 5 A AC secondary current; accuracy class 1; 5 VA rated power

## Commercial data

Item number	2277051
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CK4A11
Catalog page	Page 211 (C-5-2019)
GTIN	4046356305167
Weight per piece (including packing)	173.767 g
Weight per piece (excluding packing)	158.6 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	Bus-bar 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 ... 400 A AC
Primary rated current range	1 A AC ... 4000 A AC (depends on type)
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 2.5 mm <sup>2</sup> ... 4 mm <sup>2</sup> (Secondary terminals)

### Dimensions

#### Item dimensions

Width	30 mm
Height	66 mm
Depth	44 mm

#### Item dimensions with alternative mounting

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Width	44 mm
Height	66 mm
Depth	30 mm

## Circular conductor

Diameter	21 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

### 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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### UL data

Primary rated current range	50 A AC ... 400 A AC
	500 A AC ... 800 A AC
	1000 A AC ... 1600 A AC
Temperature increase	55 °C (At a primary rated current of 50 A AC ... 400 A AC)
	65 °C (At a primary rated current of 500 A AC ... 800 A AC)
	80 °C (At a primary rated current of 1000 A AC ... 1600 A AC)
Ambient temperature (operation)	-25 °C ... 30 °C (Up to a primary rated current of 1600 A AC)

## Standards and regulations

Standards/regulations	EN 61869
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## Mounting

Mounting type	DIN rail mounting
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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

China RoHS	Environmentally Friendly Use Period = 50 years For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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