

# PACT MCR-V1-21-44-100-5A-1 - Current transformer



2277022

<https://www.phoenixcontact.com/us/products/2277022>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Bus-bar current transformer, 100 A AC primary current; 5 A AC secondary current; accuracy class 1; 2.5 VA rated power

## Commercial data

Item number	2277022
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CK4A11
Catalog page	Page 211 (C-5-2019)
GTIN	4046356305143
Weight per piece (including packing)	211.2 g
Weight per piece (excluding packing)	188.3 g
Customs tariff number	85043129
Country of origin	DE

2277022

<https://www.phoenixcontact.com/us/products/2277022>

## Technical data

### Product properties

Product type	Current transformer
--------------	---------------------

### Electrical properties

Rated insulation voltage	1 kV (Phase/neutral conductor)
--------------------------	--------------------------------

#### General

Can be calibrated	no
Converter type	Bus-bar current transformer

### Input data

#### Current transformers

Rated power	2.5 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 ... 100 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

# PACT MCR-V1-21-44-100-5A-1 - Current transformer



2277022

<https://www.phoenixcontact.com/us/products/2277022>

Width	44 mm
Height	66 mm
Depth	30 mm

## Circular conductor

Diameter	21 mm
----------	-------

## 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
-------------	--------------

### UKCA

Certificate	UKCA-compliant
-------------	----------------

### UL, USA/Canada

Identification	XODW8.E323953
----------------	---------------

## Standards and regulations

Standards/regulations	EN 61869
-----------------------	----------

## Mounting

Mounting type	DIN rail mounting
---------------	-------------------

# PACT MCR-V1-21-44-100-5A-1 - Current transformer



2277022

<https://www.phoenixcontact.com/us/products/2277022>

## Classifications

### ECLASS

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

### ETIM

ETIM 9.0	EC002048
----------	----------

### UNSPSC

UNSPSC 21.0	39121000
-------------	----------

# PACT MCR-V1-21-44-100-5A-1 - Current transformer



2277022

<https://www.phoenixcontact.com/us/products/2277022>

## 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"
------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------

Phoenix Contact 2024 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)