

# PACT MCR-V1-21-44-125-5A-1 - Current transformer



2277763

<https://www.phoenixcontact.com/us/products/2277763>

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, 125 A AC primary current; 5 A AC secondary current; accuracy class 1; 3.75 VA rated power

## Commercial data

Item number	2277763
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CMMA11
GTIN	4046356502054
Weight per piece (including packing)	212.9 g
Weight per piece (excluding packing)	100 g
Customs tariff number	85043129
Country of origin	DE

2277763

<https://www.phoenixcontact.com/us/products/2277763>

## Technical data

### Product properties

Product type	Current transformer
Product family	Bus-bar 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 transformer

Rated power	3.75 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 ... 125 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

# PACT MCR-V1-21-44-125-5A-1 - Current transformer



2277763

<https://www.phoenixcontact.com/us/products/2277763>

## Item dimensions with alternative mounting

Width	44 mm
Height	68 mm
Depth	31 mm

## Circular conductor

Diameter	20 mm
----------	-------

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

### UKCA

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

### UL, USA/Canada

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

## Standards and regulations

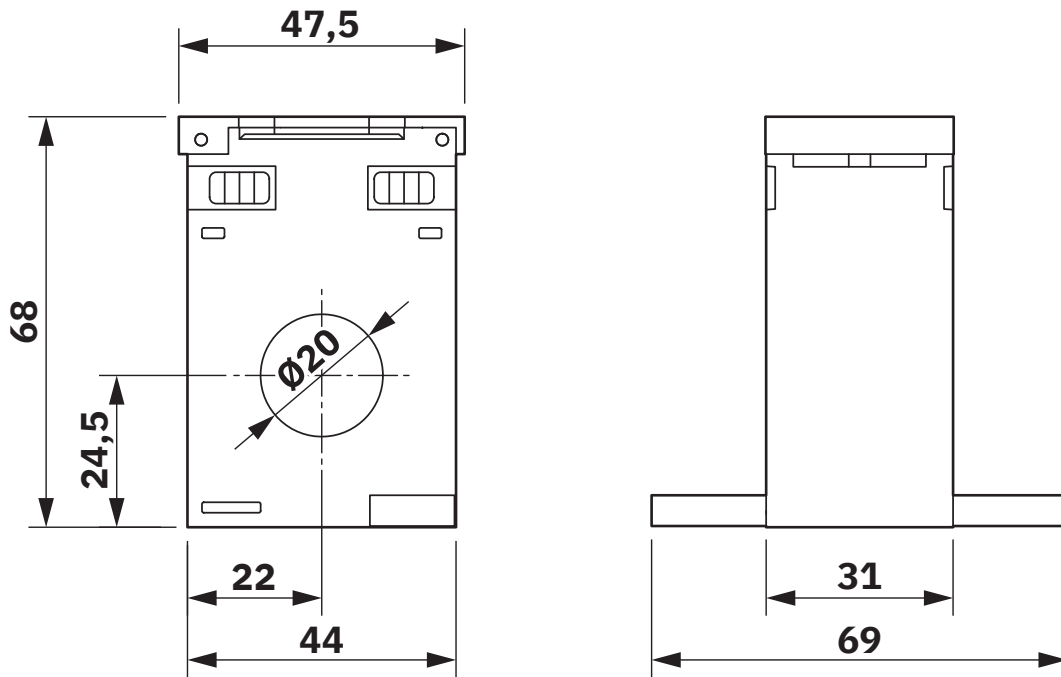
Standards/regulations	EN 61869
-----------------------	----------

## Mounting

Mounting type	DIN rail mounting
	Panel mounting

Drawings

Dimensional drawing



# PACT MCR-V1-21-44-125-5A-1 - Current transformer



2277763

<https://www.phoenixcontact.com/us/products/2277763>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2277763>



**cULus Recognized**  
Approval ID: E323953

2277763

<https://www.phoenixcontact.com/us/products/2277763>

## Classifications

### ECLASS

ECLASS-13.0	27210902
ECLASS-15.0	27210902

### ETIM

ETIM 10.0	EC002048
-----------	----------

### UNSPSC

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

# PACT MCR-V1-21-44-125-5A-1 - Current transformer



2277763

<https://www.phoenixcontact.com/us/products/2277763>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - 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)