

2277019

<https://www.phoenixcontact.com/us/products/2277019>

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, 50 A AC primary current; 5 A AC secondary current; accuracy class 1; 1.25 VA rated power

Commercial data

Item number	2277019
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CK4A11
Catalog page	Page 211 (C-5-2019)
GTIN	4046356305129
Weight per piece (including packing)	223.9 g
Weight per piece (excluding packing)	210.6 g
Customs tariff number	85043129
Country of origin	DE

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	1.25 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 ... 50 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 ² ... 4 mm ² (Secondary terminals)

Dimensions

Item dimensions

Width	30 mm
Height	66 mm
Depth	44 mm

Item dimensions with alternative mounting

PACT MCR-V1-21-44- 50-5A-1 - Current transformer



2277019

<https://www.phoenixcontact.com/us/products/2277019>

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
----------------	---------------

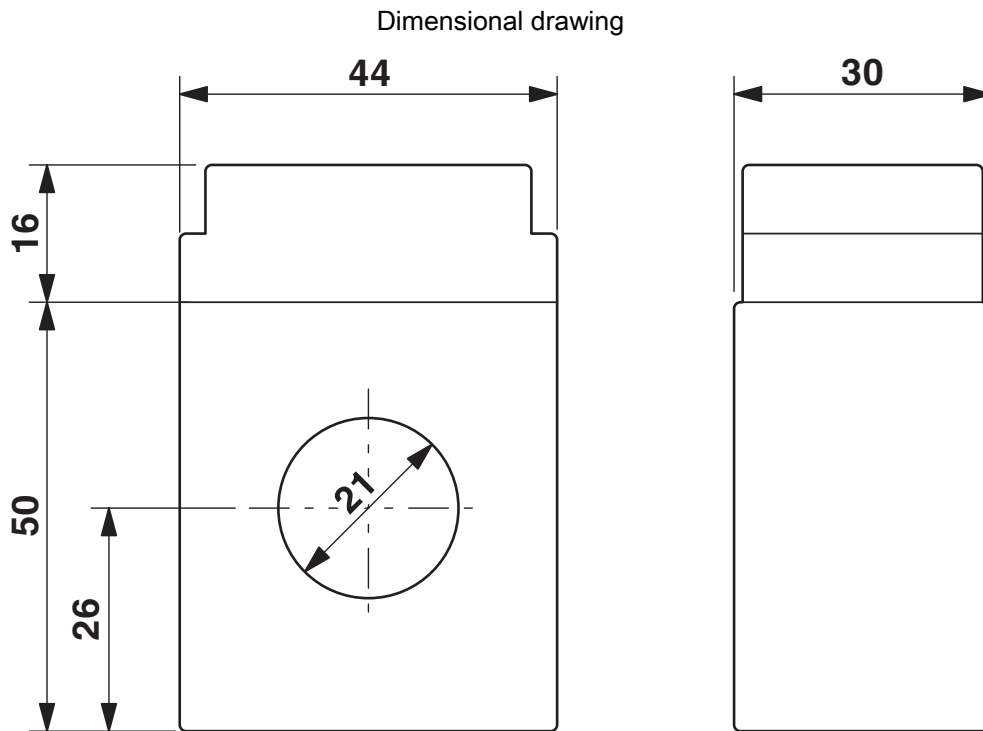
Standards and regulations

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

Mounting

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

Drawings



PACT MCR-V1-21-44- 50-5A-1 - Current transformer



2277019

<https://www.phoenixcontact.com/us/products/2277019>

Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2277019>



EAC

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

PACT MCR-V1-21-44- 50-5A-1 - Current transformer



2277019

<https://www.phoenixcontact.com/us/products/2277019>

Classifications

ECLASS

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

ETIM

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

UNSPSC

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

2277019
<https://www.phoenixcontact.com/us/products/2277019>

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