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

2277019

https://www.phoenixcontact.com/pc/products/2277019

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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
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)	186.6 g
Customs tariff number	85043129
Country of origin	DE

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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 transformer

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
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
Stripping length	10 mm
Conductor cross section flexible	2x 10 mm² ... 10 mm² (Secondary terminals)
Tightening torque	2 Nm ... 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

Drill hole

Diameter	6.5 mm

Material specifications

Color	gray (RAL 7042)
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

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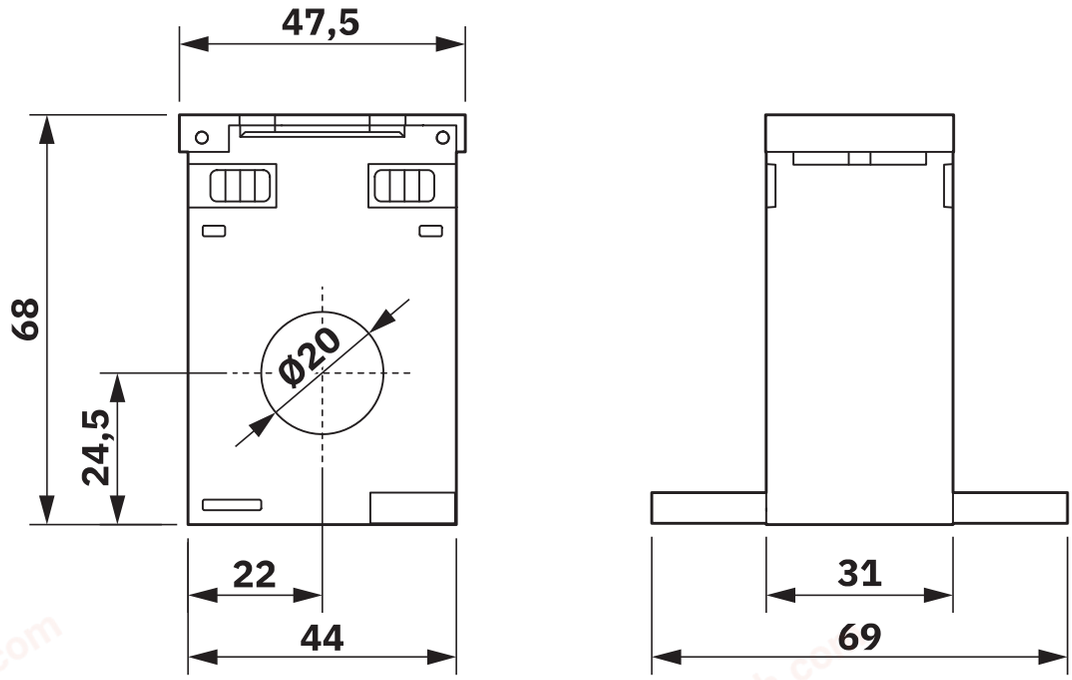
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/2277019

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

cULus Recognized
Approval ID: E323953

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Classifications

ECLASS

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

ETIM

ETIM 9.0	EC002048

UNSPSC

UNSPSC 21.0	39121000

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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%

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