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

2277022

https://www.phoenixcontact.com/gb/products/2277022

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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	CK4A11
Product key	CK4A11
Catalog page	Page 211 (C-5-2019)
GTIN	4046356305143
Weight per piece (including packing)	189 g
Weight per piece (excluding packing)	188.3 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	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
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 mm² (Secondary terminals)
Tightening torque	2 Nm

Dimensions

Item dimensions

Width	31 mm
Height	68 mm
Depth	44 mm

Item dimensions with alternative mounting

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Width	44 mm
Height	68 mm
Depth	31 mm

Circular conductor

Diameter	20 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

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
	Wall mounting

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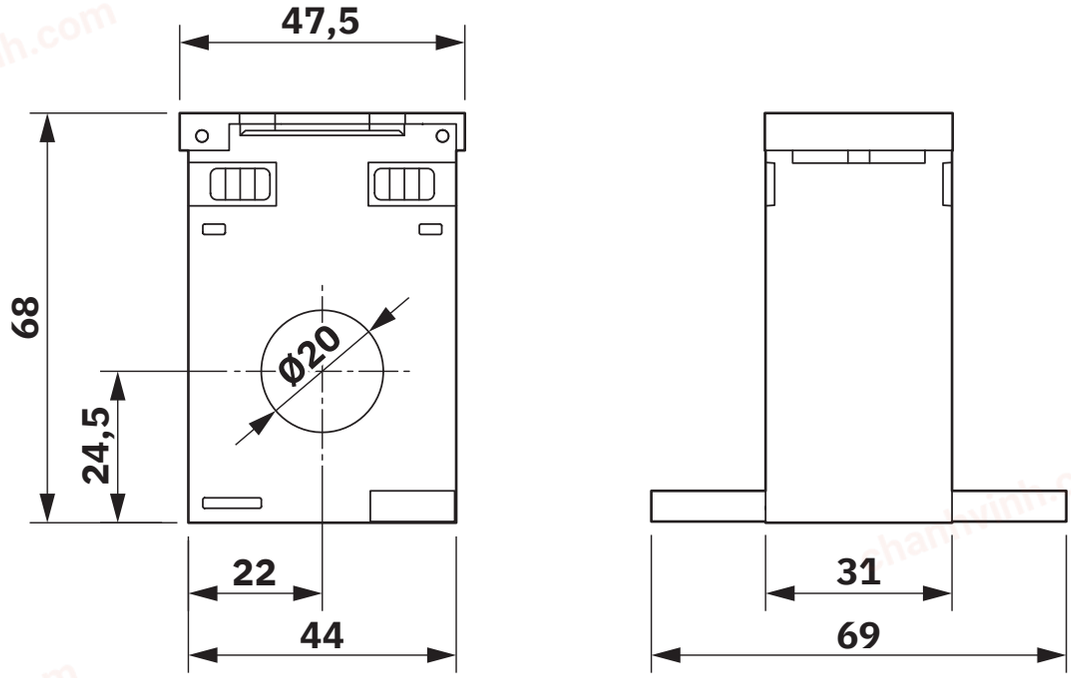
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Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/gb/products/2277022

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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Accessories

PACT MCR-RA - DIN rail adapter

2277598

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Adapter for mounting on DIN rails.



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