

PACT MCR-V1-21-44 - Current transformer



2277268

<https://www.phoenixcontact.com/us/products/2277268>

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Bus-bar current transformer, primary current can be selected between 50...500 A AC; secondary current can be selected as 1 A AC or 5 A AC; accuracy class can be selected as 0.5 or 1; rated power can be selected

Commercial data

Item number	2277268
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C494
Product key	CMMA11
Weight per piece (including packing)	219.8 g
Weight per piece (excluding packing)	207.3 g
Customs tariff number	85043129
Country of origin	DE

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Technical data

Product properties

Product type	Current transformer
Product family	Bus-bar current transformer

Electrical properties

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

Can be calibrated	no
Converter type	Bus-bar current transformer

Input data

Current transformer

Rated power	1.25 VA
	1.5 VA
	2 VA
	2.5 VA
	3.75 VA
	5 VA
	7.5 VA
	10 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
	0 A AC ... 75 A AC
	0 A AC ... 100 A AC
	0 A AC ... 125 A AC
	0 A AC ... 150 A AC
	0 A AC ... 200 A AC
	0 A AC ... 250 A AC
	0 A AC ... 300 A AC
	0 A AC ... 400 A AC
Can be calibrated	no
Converter type	Bus-bar current transformer

Output data

Signal

Designation	Current output
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Secondary rated current I_{sn}	1 A AC (depends on type)
	5 A AC (depends on type)
Surge current limitation factor	FS 5
Accuracy class	0.5 (depends on type)
	1 (depends on type)

Connection data

Connection method	Screw connection
Conductor cross-section flexible	2x 10 mm ² (Secondary terminals)
Tightening torque	2 Nm

Dimensions

Item dimensions

Width	31 mm
Height	68 mm
Depth	44 mm

Item dimensions with alternative mounting

Width	44 mm
Height	68 mm
Depth	31 mm

Circular conductor

Diameter	20 mm
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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
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UKCA

Certificate	UKCA-compliant
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UL, USA/Canada

Identification	XODW8.E323953
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Standards and regulations

Standards/regulations	EN 61869
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Mounting

Mounting type	DIN rail mounting
	Panel mounting

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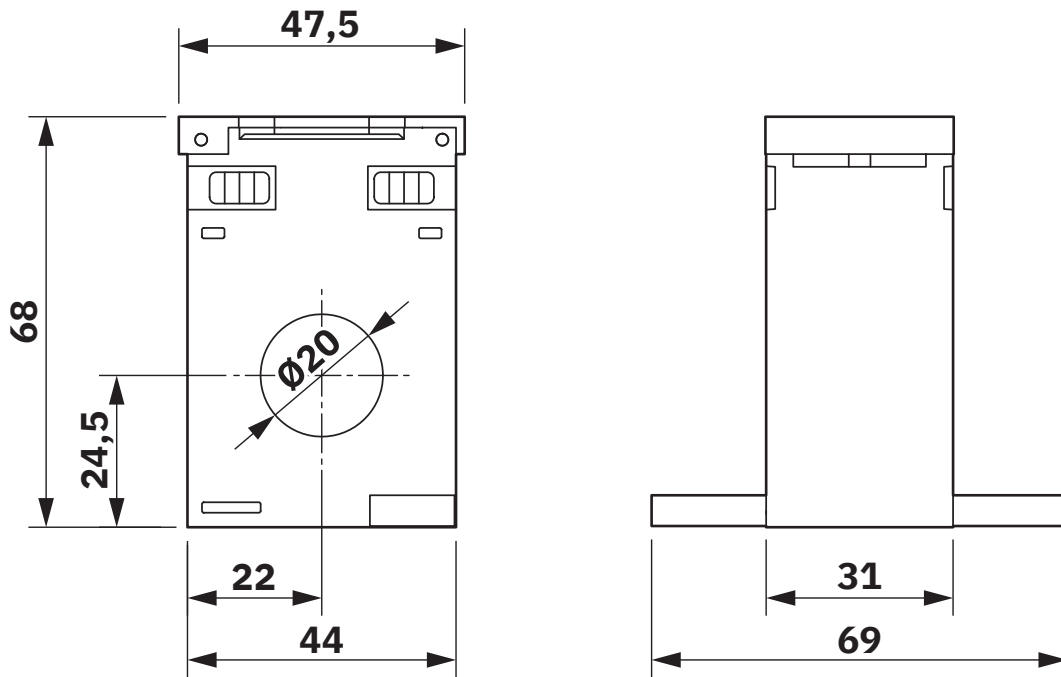


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Drawings

Dimensional drawing



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Approvals

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cULus Recognized
Approval ID: E323953

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Classifications

ECLASS

ECLASS-13.0	27210902
ECLASS-15.0	27210902

ETIM

ETIM 10.0	EC002048
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UNSPSC

UNSPSC 21.0	39121000
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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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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