

PACT MCR-V2-10020-129-2500-5A - Current transformer



2276395

<https://www.phoenixcontact.com/us/products/2276395>

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Window-type current transformer, 2500 A AC primary current; 5 A AC secondary current; accuracy class 1; 15 VA rated power

Your advantages

- Primary rated current I_{pn}: 0 ... (400 ... 4000) A
- Circular conductor dimensions: Ø 85 mm

Commercial data

Item number	2276395
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C444
Product key	CK4A11
Catalog page	Page 216 (C-5-2019)
GTIN	4046356566261
Weight per piece (including packing)	610.5 g
Weight per piece (excluding packing)	600 g
Customs tariff number	85043129
Country of origin	DE

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Technical data

Product properties

Product type	Current transformer
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Electrical properties

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

Can be calibrated	no
Converter type	Window-type current transformer

Input data

Current transformers

Rated power	15 VA
Thermal rated short-time current	$I_{th} = 60 \cdot I_n$
Thermal rated continuous current	$I_d = 1.2 \cdot I_n$
Rated surge current	$I_{dyn} = 2.5 \cdot I_{th}$
Rated frequency f_n	50 Hz
	60 Hz
Primary rated current I_{pn}	0 A AC ... 2500 A AC
Primary rated current range	1 A AC ... 4000 A AC (depends on type)
Can be calibrated	no
Converter type	Window-type current transformer

Output data

Signal

Designation	Current output
Secondary rated current I_{sn}	5 A AC
Surge current limitation factor	FS 5
Accuracy class	0.2 (depends on type)
	0.5 (depends on type)
	1 (depends on type)
	0.2S (depends on type)
	0.5S (depends on type)

Connection data

Connection method	Screw connection
Conductor cross section flexible	2x 2.5 mm ² ... 4 mm ² (Secondary terminals with screw connection)

Dimensions

Item dimensions

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Width	30 mm
Height	156 mm
Depth	129 mm

Item dimensions with alternative mounting

Width	129 mm
Height	156 mm
Depth	30 mm

Copper rail

Width	100 mm
Height	10 mm

Copper rail 2

Width	80 mm
Height	64 mm

Circular conductor

Diameter	85 mm
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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
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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
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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2276395>



EAC

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

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Classifications

ECLASS

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

ETIM

ETIM 9.0	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
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
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

<https://www.phoenixcontact.com/us/products/2277598>

Adapter for mounting on DIN rails.



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