

PACT MCR-V2-8020-105-1000-5A-1 - Current transformer



2277747

<https://www.phoenixcontact.com/us/products/2277747>

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Window-type current transformer, 1000 A AC primary current; 5 A AC secondary current; accuracy class 1; 10 VA rated power

Your advantages

- Primary rated current I_{pn}: 0 ... (500 ... 2000) A
- Circular conductor dimensions: Ø 70 mm

Commercial data

Item number	2277747
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C444
Product key	CMMA11
GTIN	4046356458757
Weight per piece (including packing)	447.4 g
Weight per piece (excluding packing)	418.1 g
Customs tariff number	85043129
Country of origin	DE

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Technical data

Product properties

Product type	Current transformer
Product family	Window-type current transformer

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 transformer

Rated power	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 ... 1000 A
Can be calibrated	no
Converter type	Window-type current transformer

Output data

Signal

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	132 mm
Depth	105 mm

Item dimensions with alternative mounting

Width	105 mm
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Height	132 mm
Depth	30 mm

Copper rail

Width	80 mm
Height	10 mm

Copper rail 2

Width	60 mm
Height	60 mm

Circular conductor

Diameter	70 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
Permissible humidity (operation)	Use only indoors, non-condensing
Insulating material class	E

Standards and regulations

Standards/regulations	EN 50178
	EN 61869

Mounting

Mounting type	DIN rail mounting
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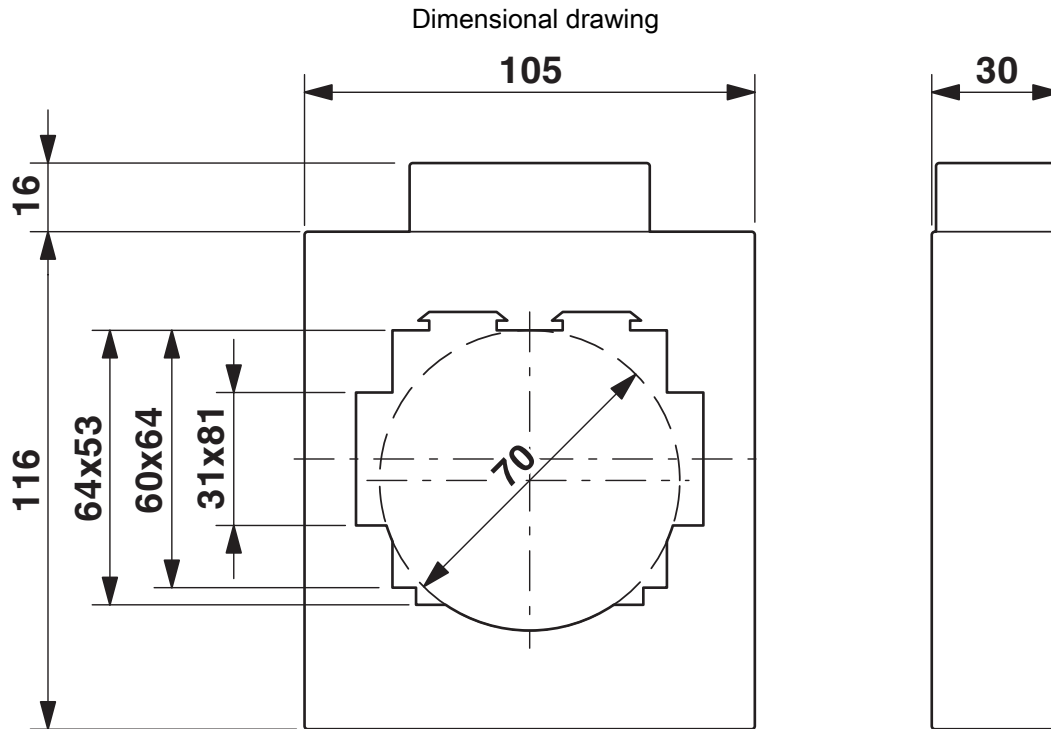
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Drawings



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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-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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