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 Ipn: 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

Technical data

Product properties

Product type	Current transformer
Product family	Window-type current transformer

Electrical properties

Rated insulation voltage	1 kV (Phase/neutral conductor)

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 mm² ... 4 mm² (Secondary terminals)

Dimensions

Item dimensions

Width	30 mm
Height	132 mm
Depth	105 mm

Item dimensions with alternative mounting

Width	105 mm

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

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

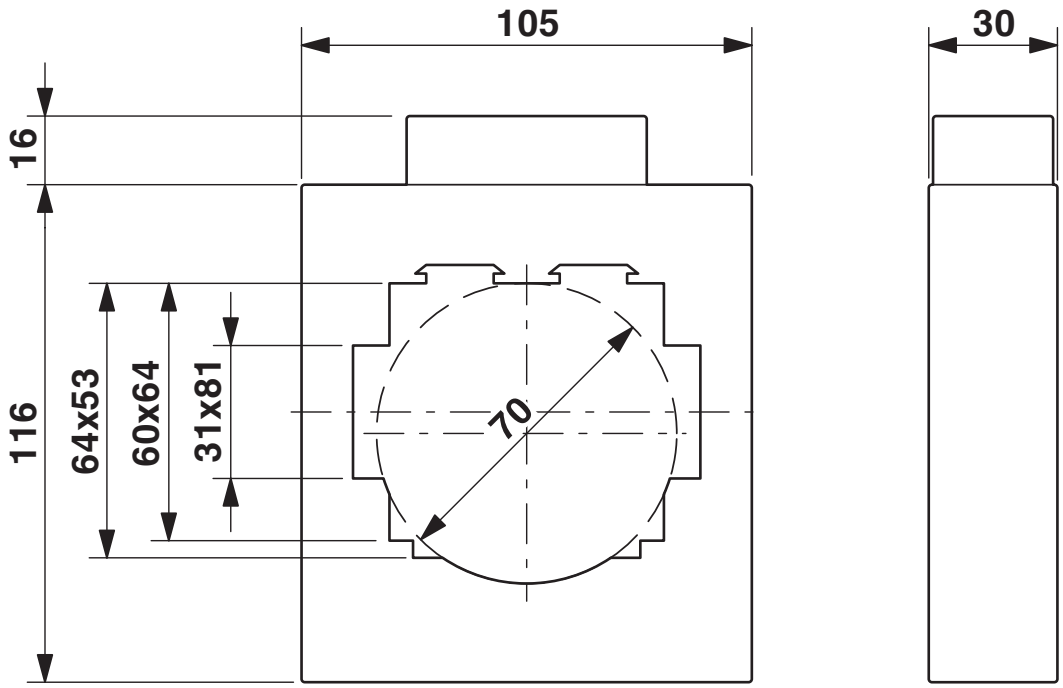
Standards/regulations	EN 50178
	EN 61869

Mounting

Mounting type	DIN rail mounting

Drawings

Dimensional drawing



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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