

PACT MCR-V2-5012- 85-1000-5A-1 - Current transformer



2277190

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Window-type current transformer, 1000 A AC primary current; 5 A AC secondary current; accuracy class 1; 15 VA rated power

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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	15 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 ... 1000 A AC
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	1

Connection data

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

Dimensions

Item dimensions

Width	31 mm
Height	110 mm
Depth	85 mm

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Item dimensions with alternative mounting

Width	85 mm
Height	110 mm
Depth	31 mm

Copper rail

Width	50 mm
Height	12 mm

Copper rail 2

Width	40 mm
Height	10 mm

Circular conductor

Diameter	42 mm
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Drill hole

Diameter	6.5 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

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Mounting type	DIN rail mounting
	Panel mounting

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