

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Window-type current transformer, 600 A AC primary current; 5 A AC secondary current; accuracy class 1; 10 VA rated power

## Commercial data

Item number	2277174
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C444
Product key	CMMA11
GTIN	4046356304610
Weight per piece (including packing)	429.6 g
Weight per piece (excluding packing)	361.7 g
Customs tariff number	85043129
Country of origin	DE

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

## 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 AC ... 600 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 <sup>2</sup> ... 10 mm <sup>2</sup> (Secondary terminals)
Tightening torque	2 Nm ... 2 Nm

### Dimensions

#### Item dimensions

Width	31 mm
Height	110 mm
Depth	85 mm

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

## 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
----------	-------

## Drill hole

Diameter	6.5 mm
----------	--------

## 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
-------------	--------------

### UKCA

Certificate	UKCA-compliant
-------------	----------------

### UL, USA/Canada

Identification	XODW8.E323953
----------------	---------------

## Standards and regulations

Standards/regulations	EN 61869
-----------------------	----------

## Mounting

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

Mounting type	DIN rail mounting
	Panel mounting

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer

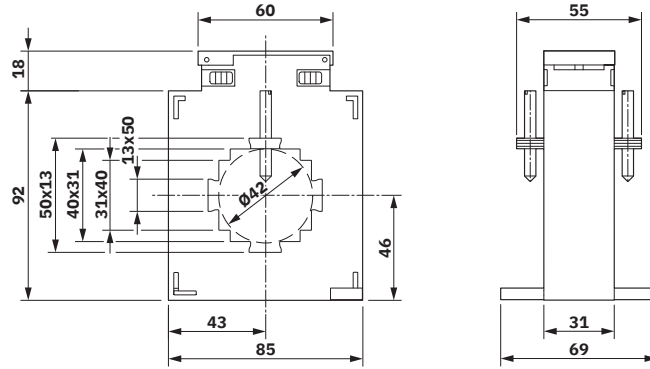


2277174

<https://www.phoenixcontact.com/us/products/2277174>

## Drawings

Dimensional drawing



# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2277174>



**cULus Recognized**  
Approval ID: E323953

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

## Classifications

### ECLASS

ECLASS-13.0	27210902
ECLASS-15.0	27210902

### ETIM

ETIM 10.0	EC002048
-----------	----------

### UNSPSC

UNSPSC 21.0	39121000
-------------	----------

# PACT MCR-V2-5012- 85- 600-5A-1 - Current transformer



2277174

<https://www.phoenixcontact.com/us/products/2277174>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)