# PACT MCR-V2-8015-105-1000-5A-1 - Current transformer

2276308

https://www.phoenixcontact.com/us/products/2276308

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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

## Your advantages

- Primary rated current Ipn: 0 ... (400 ... 2500) A
- Circular conductor dimensions: Ø 61 mm

## Commercial data

| | |
|---|---|
| Item number | 2276308 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | CMMA11 |
| GTIN | 4046356502726 |
| Weight per piece (including packing) | 438 g |
| Weight per piece (excluding packing) | 424.8 g |
| 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 | 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 ... 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 | 15 mm |

Copper rail 2

| | |
|---|---|
| Width | 60 mm |
| Height | 10 mm |

Copper rail 3

| | |
|---|---|
| Width | 50 mm |
| Height | 10 mm |

Circular conductor

| | |
|---|---|
| Diameter | 61 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 |

## Environmental product compliance

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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