

# PACT MCR-V2-6040- 96-1600-5A-1 - Current transformer



2276230

<https://www.phoenixcontact.com/us/products/2276230>

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Window-type current transformer, 1,600 A AC primary current; 5 A AC secondary current; accuracy class 1; 15 VA rated power

## Your advantages

- Primary rated current  $I_{pn}$ : 0 ... (200 ... 2000) A
- Rail dimensions: 60 x 40 mm; 50 x 50 mm

## Commercial data

|                                      |                     |
|--------------------------------------|---------------------|
| Item number                          | 2276230             |
| Packing unit                         | 1 pc                |
| Minimum order quantity               | 1 pc                |
| Product key                          | CK4A11              |
| Catalog page                         | Page 228 (C-5-2017) |
| GTIN                                 | 4046356502894       |
| Weight per piece (including packing) | 408.5 g             |
| Weight per piece (excluding packing) | 385 g               |
| Country of origin                    | DE                  |

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## Technical data

### Product properties

|              |                     |
|--------------|---------------------|
| Product 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 transformers

|                                  |                                  |
|----------------------------------|----------------------------------|
| 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<br>60 Hz                   |
| Primary rated current $I_{pn}$   | 0 A ... 1600 A                   |
| Primary rated current range      | 1 A ... 4000 A (depends on type) |
| 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 <sup>2</sup> ... 4 mm <sup>2</sup> (Secondary terminals) |

### Dimensions

#### Item dimensions

|        |        |
|--------|--------|
| Width  | 30 mm  |
| Height | 121 mm |
| Depth  | 96 mm  |

#### Item dimensions with alternative mounting

|       |       |
|-------|-------|
| Width | 96 mm |
|-------|-------|

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|        |        |
|--------|--------|
| Height | 121 mm |
| Depth  | 30 mm  |

## Copper rail

|        |       |
|--------|-------|
| Width  | 60 mm |
| Height | 40 mm |

## Copper rail 2

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

## Circular conductor

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

## Material specifications

|                  |        |
|------------------|--------|
| 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 |

## Standards and regulations

|                       |          |
|-----------------------|----------|
| Standards/regulations | EN 50178 |
|                       | EN 61869 |

## Mounting

|               |                   |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

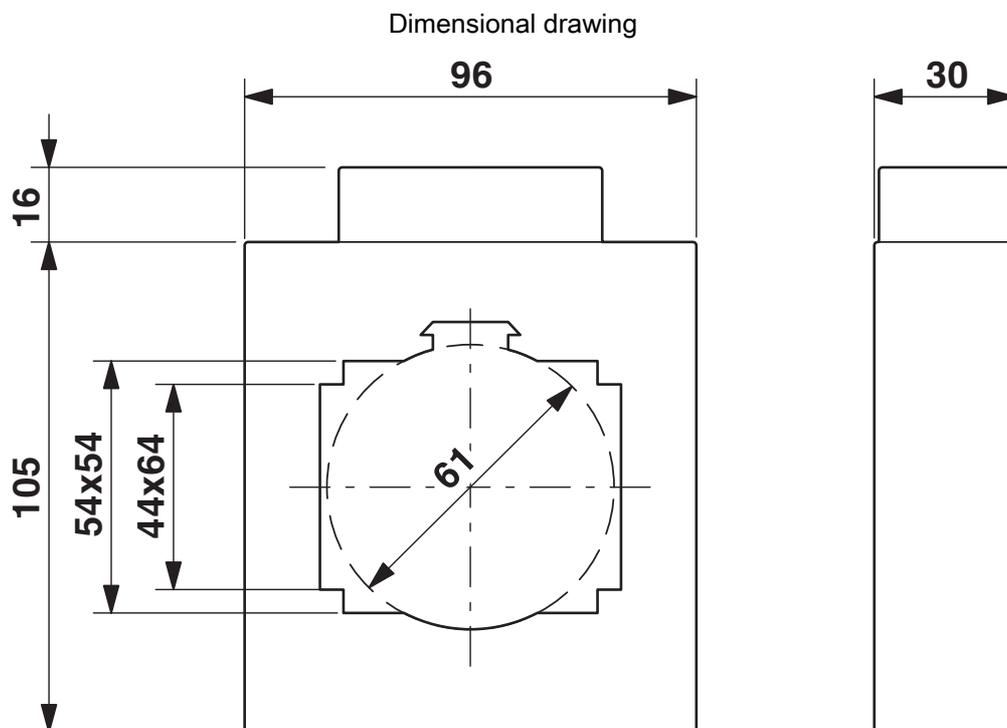
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## Drawings



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## Environmental product compliance

### China RoHS

|  |  |
|--|--|
| Environment friendly use period (EFUP) | EFUP-50<br>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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## Accessories

### PACT-FAST-MNT-W16-L65 - Mounting material

2276641

<https://www.phoenixcontact.com/us/products/2276641>



The transformer quick-action mechanism enables the lightning-fast mounting of PACT current transformers on the power rail. The installation can be completed easily by hand without the use of tools. Fixing pins: 65 mm, holding latches: 16 mm

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### PACT-FAST-MNT-W16-L40 - Mounting material

2276638

<https://www.phoenixcontact.com/us/products/2276638>



The transformer quick-action mechanism enables the lightning-fast mounting of PACT current transformers on the power rail. The installation can be completed easily by hand without the use of tools. Fixing pins: 40 mm, holding latches: 16 mm

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