

# PACT MCR-V2-4012-70-250-1A-1 - Current transformer



2905882

<https://www.phoenixcontact.com/us/products/2905882>

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Window-type current transformer, 250 A AC primary current; 1 A AC secondary current; accuracy class 1; 5 VA rated power

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2905882                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C444                           |
| Product key                          | CK4A11                         |
| GTIN                                 | 4055626004822                  |
| Weight per piece (including packing) | 327.6 g                        |
| Weight per piece (excluding packing) | 250 g                          |
| Customs tariff number                | 85043129                       |
| 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                      | 5 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 AC ... 250 A AC                    |
| Primary rated current range      | 1 A AC ... 4000 A AC (depends on type) |
| Can be calibrated                | no                                     |
| Converter type                   | Window-type current transformer        |

### Output data

#### Signal

|                                  |                |
|----------------------------------|----------------|
| Designation                      | Current output |
| Secondary rated current $I_{sn}$ | 1 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 | 90 mm |
| Depth  | 70 mm |

#### Item dimensions with alternative mounting

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|        |       |
|--------|-------|
| Width  | 70 mm |
| Height | 90 mm |
| Depth  | 30 mm |

## Copper rail

|        |       |
|--------|-------|
| Width  | 40 mm |
| Height | 12 mm |

## Copper rail 2

|        |       |
|--------|-------|
| Width  | 30 mm |
| Height | 10 mm |

## Circular conductor

|          |       |
|----------|-------|
| Diameter | 33 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 |

## Approvals

### CE

|             |              |
|-------------|--------------|
| Certificate | CE-compliant |
|-------------|--------------|

### UKCA

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

## Standards and regulations

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

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27210902 |
| ECLASS-13.0 | 27210902 |
| ECLASS-12.0 | 27210902 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002048 |
|----------|----------|

### UNSPSC

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

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## Environmental product compliance

|            |  |
|------------|--|
| China RoHS | Environmentally Friendly Use Period = 50 years<br>For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |
|------------|--|

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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)