

PACT MCR-V2-4012-70-400-1A-1 - Current transformer



2905883  
<https://www.phoenixcontact.com/us/products/2905883>

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Window-type current transformer, 400 A AC primary current; 1 A AC secondary current; accuracy class 1; 5 VA rated power

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2905883       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C444          |
| Product key                          | CK4A11        |
| GTIN                                 | 4055626004839 |
| Weight per piece (including packing) | 348.1 g       |
| Weight per piece (excluding packing) | 334.8 g       |
| Customs tariff number                | 85043129      |
| Country of origin                    | DE            |

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## Technical data

### Product properties

|                        |                     |
|------------------------|---------------------|
| Product type           | Current transformer |
| Data management status |                     |
| Article revision       | 05                  |

### 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                      | 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 ... 400 A AC             |
| 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 10 mm <sup>2</sup> (Secondary terminals) |
| Tightening torque                | 2 Nm                                        |

### Dimensions

|                 |       |
|-----------------|-------|
| Item dimensions |       |
| Width           | 31 mm |
| Height          | 92 mm |

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|       |       |
|-------|-------|
| Depth | 70 mm |
|-------|-------|

## Item dimensions with alternative mounting

|        |       |
|--------|-------|
| Width  | 70 mm |
| Height | 92 mm |
| Depth  | 31 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

|                  |                 |
|------------------|-----------------|
| Color            | gray (RAL 7042) |
| 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

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

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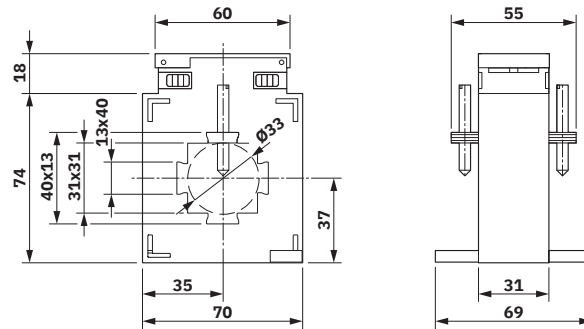


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## Drawings

Dimensional drawing



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## Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2905883>



**EAC**

Approval ID: RU\*DE\*08.B.01187/19



**cULus Recognized**

Approval ID: E323953

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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

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| 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%               |

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## Accessories

### PACT MCR-RA - DIN rail adapter

2277598

<https://www.phoenixcontact.com/us/products/2277598>

Adapter for mounting on DIN rails.



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