

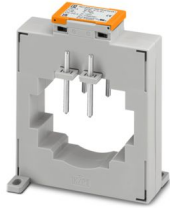
# PACT MCR-V2-10020-129-2000-1A1 - Current transformer



2905889

<https://www.phoenixcontact.com/us/products/2905889>

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Window-type current transformer, 2000 A AC primary current; 1 A AC secondary current; accuracy class 1; 15 VA rated power

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2905889       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C444          |
| Product key                          | CMMA11        |
| GTIN                                 | 4055626005003 |
| Weight per piece (including packing) | 609.8 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             |
| 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<br>60 Hz                  |
| Primary rated current $I_{pn}$   | 0 A AC ... 2000 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 | 158 mm |
| Depth  | 129 mm |

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## Item dimensions with alternative mounting

|        |        |
|--------|--------|
| Width  | 129 mm |
| Height | 158 mm |
| Depth  | 31 mm  |

## Copper rail

|        |        |
|--------|--------|
| Width  | 100 mm |
| Height | 10 mm  |

## Copper rail 2

|        |       |
|--------|-------|
| Width  | 80 mm |
| Height | 64 mm |

## Circular conductor

|          |       |
|----------|-------|
| Diameter | 85 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 |
|-------------|----------------|

## Standards and regulations

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

## Mounting

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

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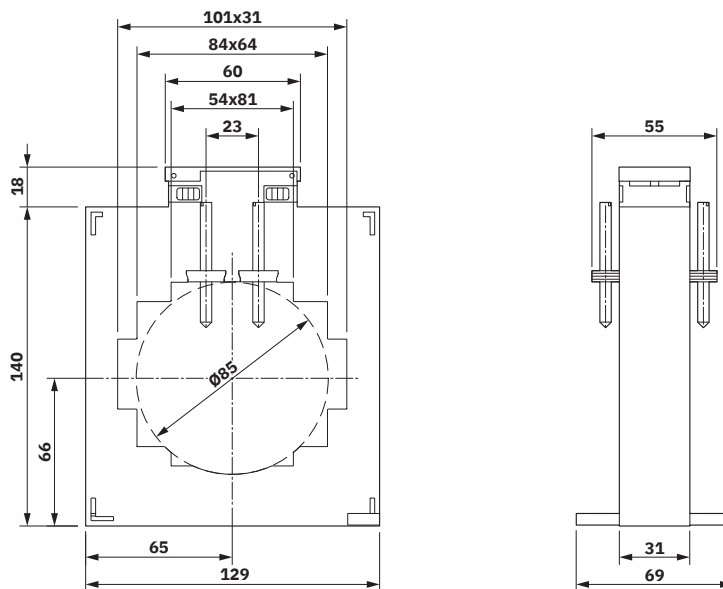


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## Drawings

Dimensional drawing



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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2905889>



**cULus Recognized**  
Approval ID: E323953

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27210902 |
| ECLASS-15.0 | 27210902 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | 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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