

PACT MCR-V2-6015- 85- 300-5A-1 - Current transformer



2277899  
<https://www.phoenixcontact.com/us/products/2277899>

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Window-type current transformer, 300 A AC primary current; 5 A AC secondary current; accuracy class 1; 2.5 VA rated power

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2277899       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | CMMA11        |
| GTIN                                 | 4046356502306 |
| Weight per piece (including packing) | 345.9 g       |
| Weight per piece (excluding packing) | 250 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 transformer

|                                  |                                 |
|----------------------------------|---------------------------------|
| Rated power                      | 2.5 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                           |
|                                  | 60 Hz                           |
| Primary rated current $I_{pn}$   | 0 A ... 300 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 mm <sup>2</sup> ... 4 mm <sup>2</sup> (Secondary terminals) |

### Dimensions

#### Item dimensions

|        |        |
|--------|--------|
| Width  | 30 mm  |
| Height | 108 mm |
| Depth  | 85 mm  |

#### Item dimensions with alternative mounting

|        |        |
|--------|--------|
| Width  | 85 mm  |
| Height | 108 mm |

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|       |       |
|-------|-------|
| Depth | 30 mm |
|-------|-------|

## Copper rail

|        |       |
|--------|-------|
| Width  | 60 mm |
| Height | 15 mm |

## Copper rail 2

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

## Copper rail 3

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

## Circular conductor

|          |       |
|----------|-------|
| Diameter | 52 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 61869 |
|-----------------------|----------|

## Mounting

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

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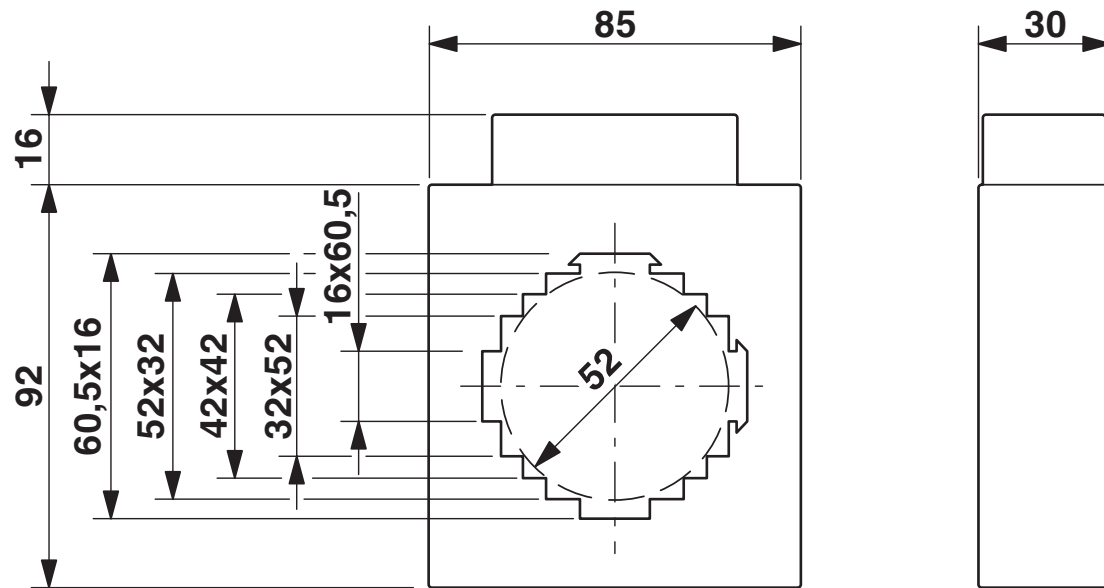


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## Drawings

Dimensional drawing



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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-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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