

PACT MCR-V2-8015-105-1000-5A-1 - Current transformer



2277721

<https://www.phoenixcontact.com/us/products/2277721>

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Window-type current transformer, 1000 A AC primary current; 5 A AC secondary current; accuracy class 1; 10 VA rated power

Your advantages

- Primary rated current I_{pn}: 0 ... (400 ... 2500) A
- Circular conductor dimensions: Ø 61 mm

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2277721 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C444 |
| Product key | CMMA11 |
| GTIN | 4046356459662 |
| Weight per piece (including packing) | 519.9 g |
| Weight per piece (excluding packing) | 490.5 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 | 10 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 ... 1000 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 ² ... 4 mm ² (Secondary terminals) |

Dimensions

Item dimensions

| | |
|--------|--------|
| Width | 30 mm |
| Height | 132 mm |
| Depth | 105 mm |

Item dimensions with alternative mounting

| | |
|-------|--------|
| Width | 105 mm |
|-------|--------|

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| | |
|--------|--------|
| Height | 132 mm |
| Depth | 30 mm |

Copper rail

| | |
|--------|-------|
| Width | 80 mm |
| Height | 15 mm |

Copper rail 2

| | |
|--------|-------|
| Width | 60 mm |
| Height | 10 mm |

Copper rail 3

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

Circular conductor

| | |
|----------|-------|
| Diameter | 61 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 50178 |
| | EN 61869 |

Mounting

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

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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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