

PACT MCR-V2-4012- 70- 300-5A-1 - Current transformer



2277679

<https://www.phoenixcontact.com/us/products/2277679>

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Window-type current transformer, 300 A AC primary current; 5 A AC secondary current; accuracy class 1; 7.5 VA rated power

Commercial data

| | |
|--------------------------------------|---------------------|
| Item number | 2277679 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C444 |
| Product key | CK4A11 |
| Catalog page | Page 213 (C-5-2019) |
| GTIN | 4046356460217 |
| Weight per piece (including packing) | 389.3 g |
| Weight per piece (excluding packing) | 351.7 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 | 7.5 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 AC ... 300 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} | 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 | 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

| | |
|------------------|------------------|
| 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 |
| Altitude | ≤ 1000 m |
| Permissible humidity (operation) | Use only indoors, non-condensing |

Approvals

UL, USA/Canada

| | |
|----------------|---------------|
| Identification | XODW8.E323953 |
|----------------|---------------|

Standards and regulations

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

Mounting

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

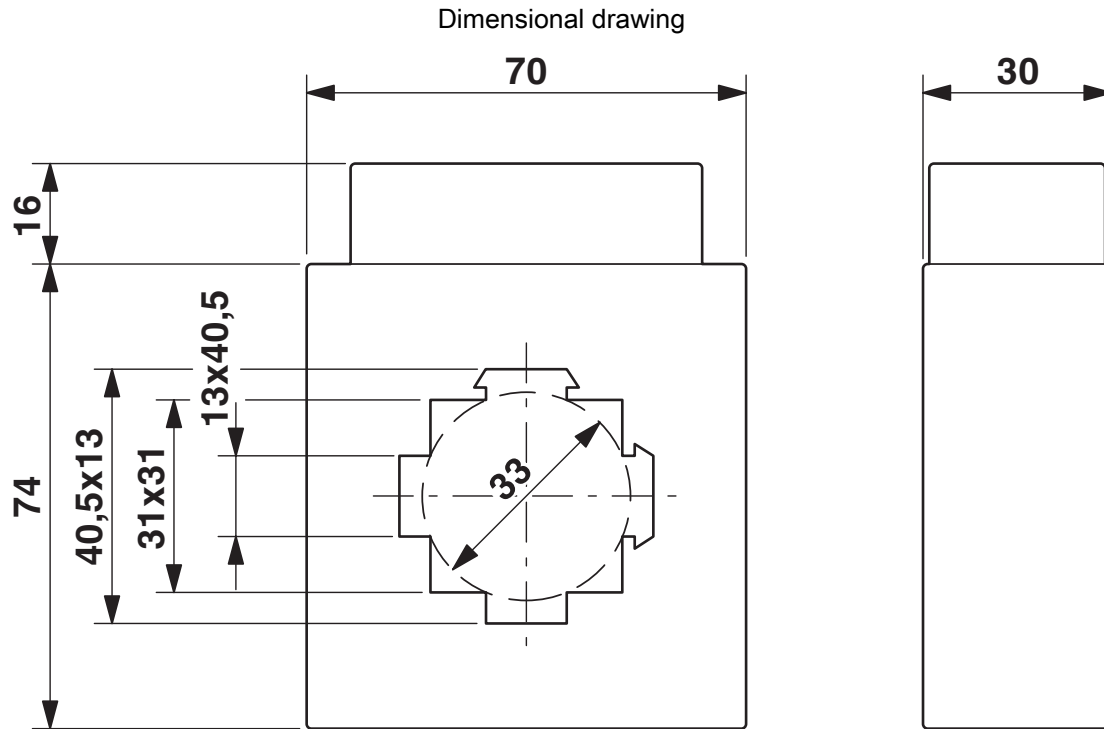
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Drawings



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2277679>



EAC

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

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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-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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Accessories

PACT-FAST-MNT-W13-L65 - Mounting material

2276625

<https://www.phoenixcontact.com/us/products/2276625>



The transformer quick-action mechanism enables the lightning-fast mounting of PACT current transformers on the power rail. The installation can be completed easily by hand without the use of tools. Fixing pins: 65 mm, holding latches: 13 mm

PACT-FAST-MNT-W13-L40 - Mounting material

2276612

<https://www.phoenixcontact.com/us/products/2276612>



The transformer quick-action mechanism enables the lightning-fast mounting of PACT current transformers on the power rail. The installation can be completed easily by hand without the use of tools. Fixing pins: 40 mm, holding latches: 13 mm

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PACT MCR-RA - DIN rail adapter

2277598

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

Adapter for mounting on DIN rails.



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