

PACT MCR-V1-21-44- 50-5A-1 - Current transformer



2277019

<https://www.phoenixcontact.com/us/products/2277019>

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Bus-bar current transformer, 50 A AC primary current; 5 A AC secondary current; accuracy class 1; 1.25 VA rated power

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2277019 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | C444 |
| Product key | CMMA11 |
| GTIN | 4046356305129 |
| Weight per piece (including packing) | 232.6 g |
| Weight per piece (excluding packing) | 186.6 g |
| Customs tariff number | 85043129 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|----------------|-----------------------------|
| Product type | Current transformer |
| Product family | Bus-bar current transformer |

Electrical properties

| | |
|--------------------------|--------------------------------|
| Rated insulation voltage | 1 kV (Phase/neutral conductor) |
|--------------------------|--------------------------------|

General

| | |
|-------------------|-----------------------------|
| Can be calibrated | no |
| Converter type | Bus-bar current transformer |

Input data

Current transformer

| | |
|----------------------------------|-----------------------------|
| Rated power | 1.25 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 ... 50 A AC |
| Can be calibrated | no |
| Converter type | Bus-bar 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 |
| Stripping length | 10 mm |
| Conductor cross-section flexible | 2x 10 mm ² ... 10 mm ² (Secondary terminals) |
| Tightening torque | 2 Nm ... 2 Nm |

Dimensions

Item dimensions

| | |
|--------|-------|
| Width | 31 mm |
| Height | 68 mm |
| Depth | 44 mm |

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Item dimensions with alternative mounting

| | |
|--------|-------|
| Width | 44 mm |
| Height | 68 mm |
| Depth | 31 mm |

Circular conductor

| | |
|----------|-------|
| Diameter | 20 mm |
|----------|-------|

Drill hole

| | |
|----------|--------|
| Diameter | 6.5 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 |
|-------------|----------------|

UL, USA/Canada

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

Standards and regulations

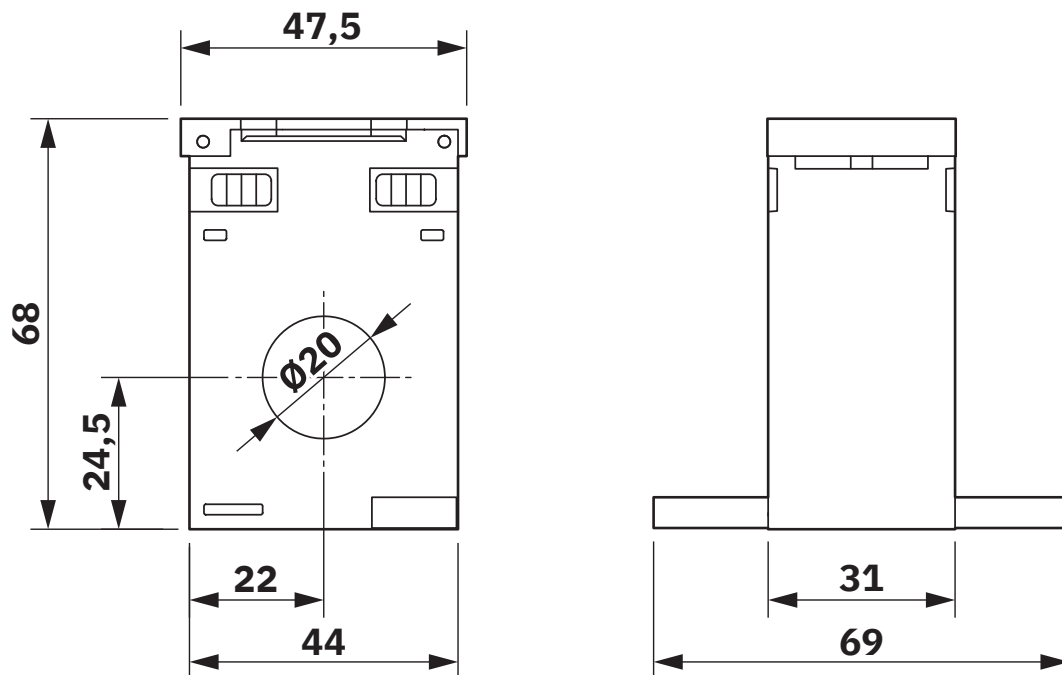
| | |
|-----------------------|----------|
| Standards/regulations | EN 61869 |
|-----------------------|----------|

Mounting

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

Drawings

Dimensional drawing



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2277019>



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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