

1382384

<https://www.phoenixcontact.com/us/products/1382384>

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Split-core current transformer, primary current: 50 A AC, secondary current: 0 ... 1 A AC, Accuracy class: 1, rated power: 0.2 VA, length of signal cable: 3 m



Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1382384       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | C444          |
| Product key                          | CK4A12        |
| GTIN                                 | 4063151753849 |
| Weight per piece (including packing) | 287 g         |
| Weight per piece (excluding packing) | 280 g         |
| Customs tariff number                | 85043129      |
| Country of origin                    | CN            |

# PACT SPC-50-1A-D13 - Current transformer



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## Technical data

### Product properties

|                        |                     |
|------------------------|---------------------|
| Product type           | Current transformer |
| Data management status |                     |
| Article revision       | 01                  |

### Electrical properties

|                          |                                |
|--------------------------|--------------------------------|
| Test voltage             | 3 kV (EN 61869-1)              |
| Rated insulation voltage | 0.72 kV                        |
| Measuring coil           |                                |
| Length of signal cable   | 3 m                            |
| General                  |                                |
| Converter type           | Split-core current transformer |

### Input data

|                                  |                                |
|----------------------------------|--------------------------------|
| Current transformer              |                                |
| Rated power                      | 0.2 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 ... 50 A AC             |
| Converter type                   | Split-core current transformer |

### Output data

|                                        |                   |
|----------------------------------------|-------------------|
| Signal                                 |                   |
| Designation                            | Current output    |
| Secondary rated current range $I_{sn}$ | 0 A AC ... 1 A AC |
| Surge current limitation factor        | FS 10             |
| Accuracy class                         | 1                 |

### Connection data

|                      |              |
|----------------------|--------------|
| Secondary connection |              |
| Connection method    | Single wires |

### Dimensions

|                 |       |
|-----------------|-------|
| Item dimensions |       |
| Width           | 73 mm |

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|        |       |
|--------|-------|
| Height | 35 mm |
| Depth  | 22 mm |

## Circular conductor

|          |                    |
|----------|--------------------|
| Diameter | 13 mm (Inner hole) |
|----------|--------------------|

## Signal line

|                                    |       |
|------------------------------------|-------|
| Length                             | 3 m   |
| Width                              | 73 mm |
| Height                             | 35 mm |
| Depth                              | 22 mm |
| Primary round conductor (diameter) | 13 mm |

## Material specifications

|                                        |                  |
|----------------------------------------|------------------|
| Color                                  | black (RAL 9005) |
| Flammability rating according to UL 94 | V0               |
| Housing material                       | PC               |

## Environmental and real-life conditions

### Ambient conditions

|                                         |                                  |
|-----------------------------------------|----------------------------------|
| Ambient temperature (operation)         | -40 °C ... 65 °C                 |
| Ambient temperature (storage/transport) | -45 °C ... 80 °C                 |
| Altitude                                | ≤ 2000 m                         |
| Permissible humidity (operation)        | Use only indoors, non-condensing |

## Standards and regulations

|                       |                 |
|-----------------------|-----------------|
| Standards/regulations | IEC 61010-1     |
|                       | IEC 61010-2-032 |
|                       | IEC 61869-1     |
|                       | IEC 61869-2     |

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1382384>



**cUL Recognized**  
Approval ID: FILE E 323953



**UL Recognized**  
Approval ID: FILE E 323953

**cULus Recognized**

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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-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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