





**Short description:**

WAGO's compact split-core current transformers are ideal for retrofitting existing systems. They are perfect for applications in which the current path must not be disrupted. The transformer's accuracy permits exact current measurements. The split-core current transformers can supply the specified rated power at the secondary connection. Two UV-resistant cable ties are also included for secure and easy mounting. Lever-operated CAGE CLAMP® connectors provide a secondary connection on the bottom. For safe installation, a shorting link is supplied, which can be placed in the parking position directly on the current transformer when not in use.

**Features:**

- Current ratios from 60 A (primary side) and 1 A (secondary side)
- No primary cable interruption
- Ideal for use in very confined spaces
- Rapid mounting
- For use around insulated cables (up to 18 mm Ø)
- Compact and hinged
- Connectors with levers for all conductor types up to max. 4 mm<sup>2</sup>
- Including shorting link



Technical data

| Input             |         | Input – current transformer                |                               |
|-------------------|---------|--|-------------------------------|
| Measured variable | Current | Rated continuous thermal current $I_{cth}$ | 100 %                         |
|                   |         | Rated short-time thermal current $I_{th}$  | $60 \times I_N / 1 \text{ s}$ |
|                   |         | Rated surge current $I_{dyn}$              | $2.5 \times I_{th}$           |
|                   |         | Rated frequency                            | 50 ... 60 Hz                  |
|                   |         | Primary rated current                      | 60 A                          |

| Output – current transformer |        | Measurement error |   |
|------------------------------|--------|-------------------|---|
| Secondary rated current      | 1 A    | Accuracy class    | 3 |
| Rated power $S_p$            | 1.4 VA |                   |   |

| Safety and protection               |                      |
|-------------------------------------|----------------------|
| Protection type                     | IP20                 |
| Test voltage                        | 3 kVAC; 50 Hz; 1 min |
| Highest voltage for equipment $U_m$ | 720 $V_{rms}$ AC     |

| Connection data                       |         | Connection 2            |                               |
|---------------------------------------|---------|-------------------------|-------------------------------|
| Feedthrough for Measurement Conductor | Ø 18 mm | Connection type         | Secondary                     |
|                                       |         | Connection technology   | CAGE CLAMP®                   |
|                                       |         | WAGO connector 2        | WAGO 221-2411                 |
|                                       |         | Actuation type          | Lever                         |
|                                       |         | Strip length            | 11 mm / 0.43 inches           |
|                                       |         | Solid conductor         | 0.2 ... 4 mm² / 20 ... 14 AWG |
|                                       |         | Fine-stranded conductor | 0.2 ... 4 mm² / 18 ... 14 AWG |

| Physical data |                       |
|---------------|-----------------------|
| Width         | 59.6 mm / 1.95 inches |
| Height        | 82.6 mm / 3.25 inches |
| Depth         | 44.6 mm / 1.76 inches |

| Mechanical data |  |
|-----------------|--|
| Mounting type   | Split-core current transformer (suspended) |

| Material data |       |
|---------------|-------|
| Fire load     | 0 MJ  |
| Weight        | 285 g |





| Environmental requirements      |                                   |
|---------------------------------|-----------------------------------|
| Ambient temperature (operation) | -10 ... +55 °C                    |
| Ambient temperature (storage)   | -20 ... +70 °C                    |
| Relative humidity               | 5 ... 85 % (without condensation) |
| Operating altitude (max.)       | 2000 m                            |

| Standards and specifications |                          |
|------------------------------|--------------------------|
| Conformity marking           | CE                       |
| Standards/specifications     | EN 61869-1<br>EN 61869-2 |

| Commercial data       |             |
|-----------------------|-------------|
| ETIM 9.0              | EC002048    |
| ETIM 8.0              | EC002048    |
| PU (SPU)              | 1 pcs       |
| Packaging type        | Box         |
| Country of origin     | HU          |
| Customs tariff number | 85043129900 |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

| Approvals / Certificates                                   |  |
|--|--|
| Declarations of conformity and manufacturer's declarations |  |

| Approval  | Standard | Certificate Name |
|---|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

| Downloads   |  |
|---|--|
| Environmental Product Compliance                        |  |
| Compliance Search                                       |  |
| Environmental Product<br>Compliance<br>855-4201/060-103 |  |

| Documentation                                       |   |
|---|---|
| Additional Information                              |   |
| WAGO Interface Confi-<br>guration Software<br>SMALL | <div>1.6.3.7<br/>17.09.2019<br/>exe<br/>46878.36 KB</div> |

1 Compatible Products

1.1 Optional Accessories

1.1.1 Installation

1.1.1.1 Current transformer terminal block



**Item No.: 2007-8876**  
Compact terminal block; for 3-phase current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8873**  
Compact terminal block; for current and voltage transformers; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8874**  
Compact terminal block; for current and voltage transformers; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8875**  
Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured



**Item No.: 2007-8877**  
Compact terminal block; for current transformer circuit; 6,00 mm<sup>2</sup>; multicoloured

1.1.2 Signal conditioner

1.1.2.1 Current signal conditioner



**Item No.: 857-551**  
Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width



**Item No.: 857-550**  
Current signal conditioner; Current input signal; Current and voltage output signal; Digital output; Configuration via software; Supply voltage: 24 VDC; 6 mm module width; 2,50 mm<sup>2</sup>

1.1.2.2 Power measurement module



**Item No.: 2857-570/024-001**  
3-Phase Power Measurement Module; 3x277/480 V/1 A; Modbus RTU; Digital output; Configuration via software; Supply voltage: 24 VDC

Installation Notes

Installation



Simple termination!



Quick and easy mounting!

