

**Description**

With the clamp on current transformers AD-KSW50, AD-KSW100, AD-KSW200, AD-KSW400 and AD-KSW600 high currents can be measured without contact in connection with the power measurement devices from the Adamczewski GmbH. There are transformers for the range up to 600 A AC available. By their small size they can be easily mounted on the current carrying conductors and can therefore be mounted easily to existing systems without disconnecting the main cable. The secondary side mA-currents are not critical and can be wired over several meters. By the internal voltage limitation there are no high voltages on the secondary side possible.

**Application**

Measurement of high currents, power or energy in plants or buildings in connection with the measurement technology from the Adamczewski GmbH.

**Specific characteristics**

- non-contact measurement of high currents
- no disconnection of the main cable during installation
- uncritical mA-signals at the secondary side of the transformer

**Business data****Order number**

AD-KSW 50	50 A AC primary current
AD-KSW 100	100 A AC primary current
AD-KSW 200	200 A AC primary current
AD-KSW 400	400 A AC primary current
AD-KSW 600	600 A AC primary current

**Power measurement transducer**

AD-LU 25 GT	power measurement transducer
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**Compatible transducer**

AD-LU 35 GT	power measurement transducer
AD-LU 55 GT	power measurement transducer
AD-LU 680 GA	power measurement transducer

**Technical specifications****Max. primary conductor diameter**

AD-KSW50	23 mm
AD-KSW100	23 mm
AD-KSW200	23 mm
AD-KSW400	35 mm
AD-KSW600	35 mm

**Primary current**

AD-KSW50	0 ... 50 A AC
AD-KSW100	0 ... 100 A AC
AD-KSW200	0 ... 200 A AC
AD-KSW400	0 ... 400 A AC
AD-KSW600	0 ... 600 A AC

**Secondary current**

AD-KSW50	0 ... 33 mA AC
AD-KSW100	0 ... 33 mA AC
AD-KSW200	0 ... 33 mA AC
AD-KSW400	0 ... 33 mA AC
AD-KSW600	0 ... 33 mA AC

**Nominal load**

All transformer types	7 Ohm
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**Dimension**

AD-KSW50	34,4 x 45 x 65,5 mm
AD-KSW100	34,4 x 45 x 65,5 mm
AD-KSW200	34,4 x 45 x 65,5 mm
AD-KSW400	38,4 x 57 x 81,5 mm
AD-KSW600	38,4 x 57 x 81,5 mm

**Weight**

AD-KSW50	ca. 180 g
AD-KSW100	ca. 180 g
AD-KSW200	ca. 180 g
AD-KSW400	ca. 350 g
AD-KSW600	ca. 350 g

**Accuracy**

All transformer types	< 0,5 %
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**Phase error**

All transformer types	1° (primary to secondary)
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**Secondary wires**

All transformer types	white: k
All transformer types	black: l

**Frequency range**

All transformer types	50 ... 400 Hz
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**Rated frequency**

All transformer types	50 / 60 Hz
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**Isolation-voltage**

All transformer types	4000 V AC (1 min) + cable insulation
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**Environmental conditions**

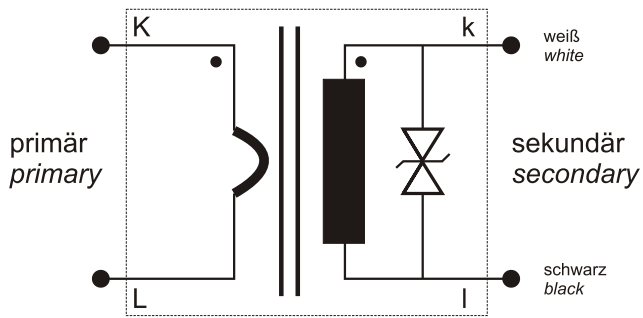
Operation	-10 ... 60 °C
Storage and transport	-20 ... 70 °C (no bedewing)

**Certifications**

All transformer types	CE, UL, RoHS
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### Block and wiring diagram



Bitte Montagerichtung beachten

K: Netzseite / Quelle

L: Verbraucherseite / Last

Please note the mounting direction

K: network side / Source

L: consumer side / load

### Dimensions

