

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

All transformer types	0 ... 33 mA AC
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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

Connections	white: k, black: l
Cable length	ca. 50 cm

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	2500 V AC (1 min) + cable insulation
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Environmental conditions

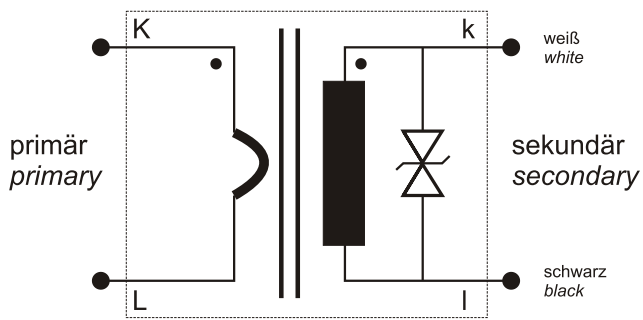
Operation	-10 ... 60 °C
Storage and transport	-20 ... 70 °C (no condensation)

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

