

FEATURES

- Allows measuring power to calculate energy consumption data.
- Please refer to the KES Plus datasheet for connection
- Dimensions 92 x 66 x 48.5mm
- Conformity with the CE directives

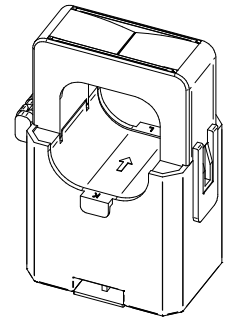


Figure 1. Current Transformer

TRANSFORMER SPECIFICATIONS AND CONNECTIONS	
CONCEPT	CONCEPT
Current range	0.1 .. 600A
Current Ratio	600A/100mA
Operation temperature	-25°C .. +60°C
Storage temperature	-30°C .. +90°C
Accuracy @ $R_L \leq 10\Omega$	1%
Linearity @ $R_L \leq 10\Omega$	$\leq 0.2\%$
Phase error at rated current range	1°
Dielectric strength	3.5KV
Maximal secondary side cable section	2.5mm ² (IEC) / 12AWG (UL)
Maximal secondary side cable length	1.8m
Weight	310g
Maximal diameter of primary side cable	Ø36mm
Transformer ratio (loops number)	$N_p:N_s=1:6000$

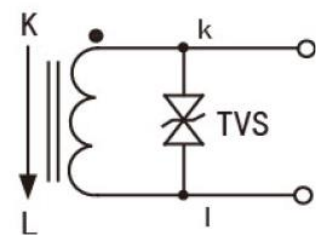
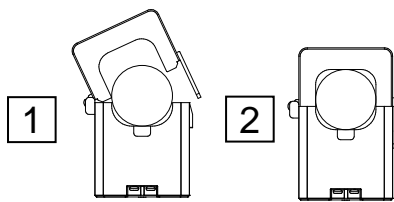


Figure 2. Schematic of the Current Transformer

TRANSFORMER INSTALLATION



⚠ Important: The terminals of the transformer must be connected to KES Plus (please observe polarity) before closing the clamp.

1. Open the transformer clamp and place the live cable inside, paying attention to the orientation.
2. Close the clamp around the cable fixing the lateral clip

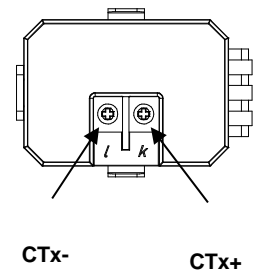


Figure 3. Connection of the current transformer to the KES Plus

⚠ SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations applicable in each country.
- Do not connect the mains voltage nor any other external voltage to any point of the signal wiring; it would represent a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the signal wiring or the wires of other accessories, in case of being installed.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.
- The WEEE logo means that this device contains electronic parts and it must be properly disposed of by following the instructions at <http://www.zennio.com/en/legal/wEEE-regulation>.

