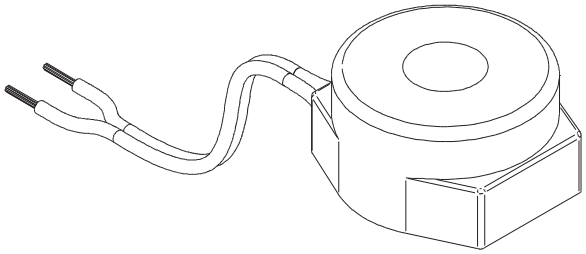
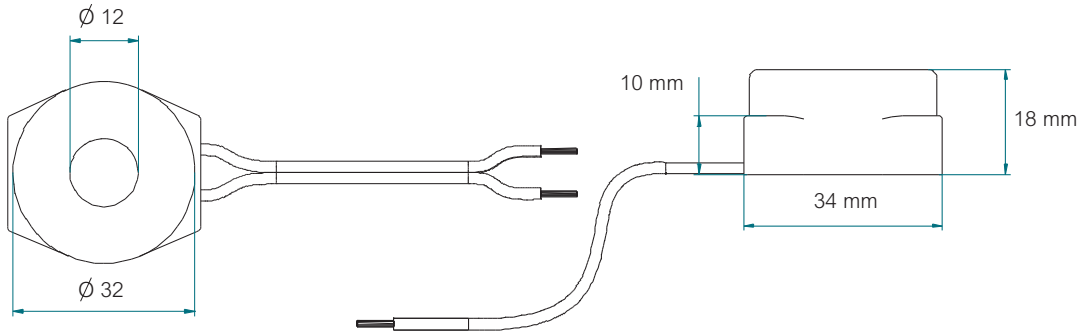
DESCRIPTION

Ref. SC.001

SC.001 is AC inductive sensor. Its working mode is similar to any transformer. The connection cables operate with low voltage alternating current proportional to the current circulating through the conductor which flows through its central orifice. If you want to measure the amount of energy used in your home, this sensor should be inserted into the phase wire after the general switch. According to its design the largest diameter of wire to be used by SC.001 is 2 mm. This diameter enables the sensor to pass through a 16 mm^2 de section wire, this means that the maximum total current is 45A.

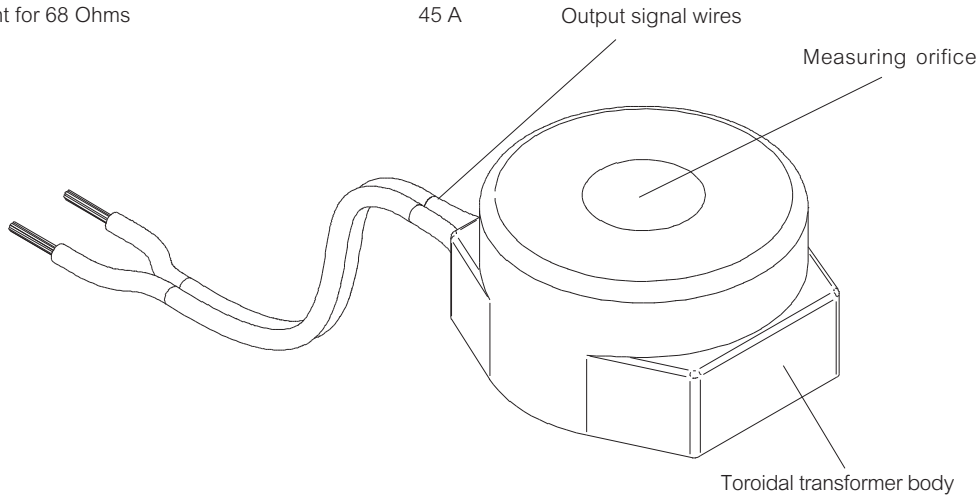


DIMENSIONS



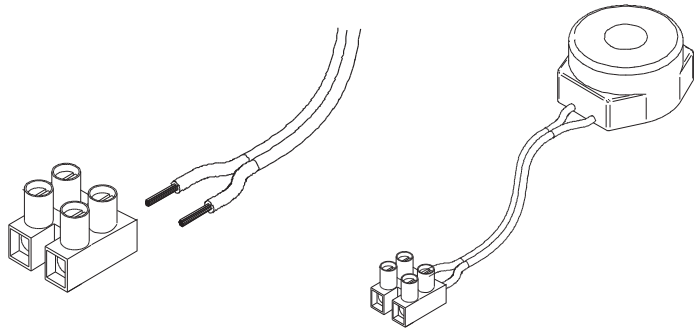
TECHNICAL FEATURES

Maximum current measuring range up to	45 A
Minimum load resistance	27 Ohms
Maximum load resistance	82 Ohms
Output level for 68 Ohms at 1 A	150 mVrms
Average length of terminals	15 cm
Saturation current for 68 Ohms	45 A



INSTALLATION

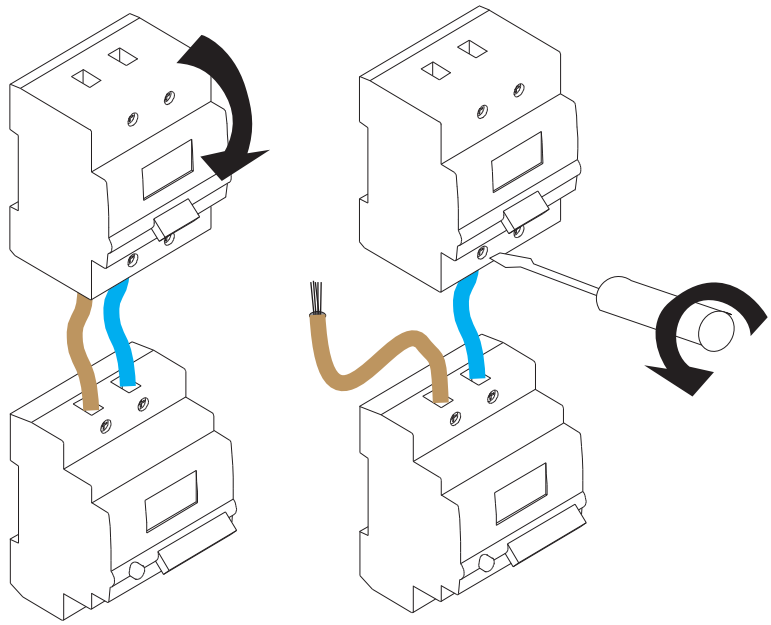
1. Prepare the sensor wires to be connected to the installation cables



2. Disconnect the limiter switch of the home electricial distrubution panel from the power supply.

3. Disconnect the phase wire coming from the general switch.

4. Introduce the phase wire through the sensor central orifice and connect again the general switch.



5. Connect the cables of the meter or connect the aSmart cables.