

The device (current transformer) is an optional device that can optimize the Electric Vehicle (EV) Charger. It is responsible to analyze the total current consumption in the residential, and to manage the remaining current for the EV Charger, avoiding any tripping the Main Circuit Breaker (MCB) for overconsumption.

HOME BeON product range is: 16 A for 3,7\* kW / 20 A for 4,6\* kW / 25 A for 5,75\* kW / 30 A for 6,9\* kW / 35 A for 8,05\* kW / 40 A for 9,2\* kW / 50 A for 11,5\* kW / 63 A for 14,49\* kW.

\*Values for Single-phase

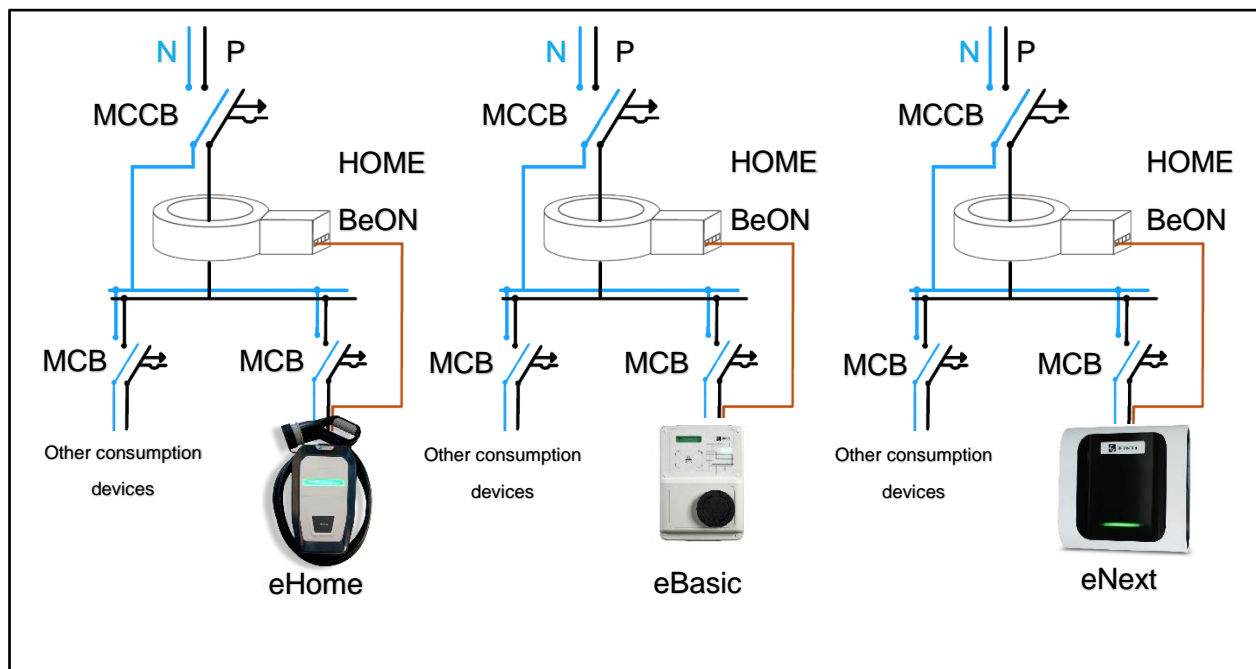
The HOME BeON is connected after the Moulded case Circuit Breaker (MCCB) of the electric installation and before the main electrical charge distribution.

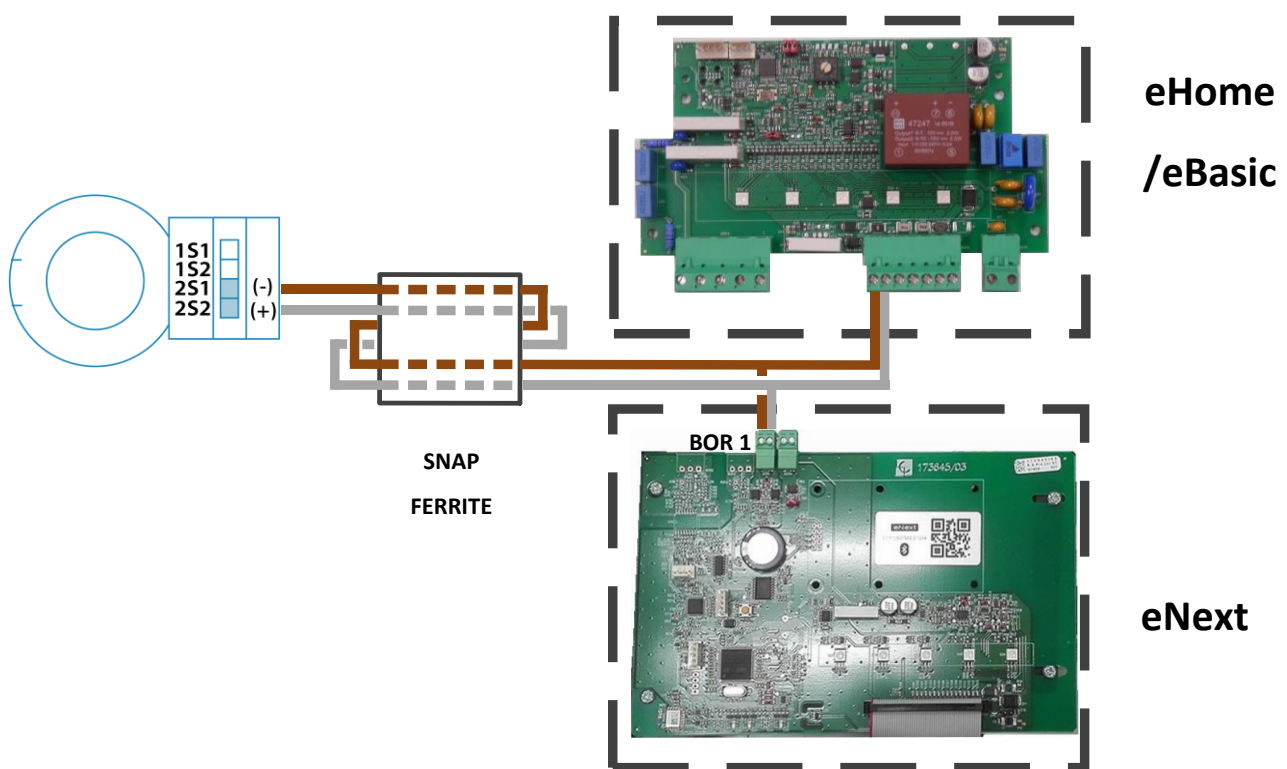


**Only the authorised and qualified staff can manipulate the electrical and electronic components.**

- Comply strictly with electrical safety regulations according to your country.
- Do not make repairs or manipulations with the unit energised.
- Only trained and qualified personnel should have access to low-voltage electrical parts.
- Use only Circontrol supplied spare parts.

## CONNECTIONS OF HOME BeON





- |  |                                     |
|--|-------------------------------------|
| 1. HOME BeON Positive / Pin 2S2 (+)                                    | 2. HOME BeON Negative / Pin 2S1 (-) |
| 3. Snap ferrite (Signal cable must do two loops into the snap ferrite) |                                     |

## HOME BeON

## PRODUCT SPECIFICATION

Type Current Transformer	Ring Core Current Transformer
Material	Polyester
Dimensions	30 x 15 mm
Rated Insulation Level	0.72 / 3 /- kV
Connection	2S1 (-) / 2S2 (+)
Relation	16 / 0.05 A, 20 / 0.05 A, 25 / 0.05 A, 30 / 0.05 A, 35 / 0.05 A, 40 / 0.05 A, 50 / 0.5 A, 63 / 0.05 A
Accuracy	Class I
Direction of the current	P1↓
Index of Protection	IP20
Maximum cable length	100 m
Cable cross-section	1 mm <sup>2</sup>

**NOTICE:** Device available for the WallBox range: **eHOME & eHOME-PLUS Series, eBasic Series** and **eNext series**

Version 1.3