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Code:

Description

Electric vehicle charging in homes usually takes place at night, taking advantage of periods of lower consumption and more affordable electricity rates. During charging, it is important to take into account the consumption of the connected loads and the power demanded by the electric vehicle. If consumption exceeds the contracted power, the relay built into the fiscal meter will disconnect the grid supply.

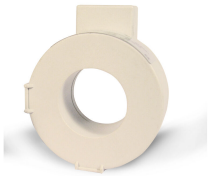
To avoid this problem, the **CirBEON** controller must be installed. This solution consists of a measuring device that dynamically adjusts the electric vehicle's consumption according to the power available in the installation. This means that if we connect several loads in addition to the electric vehicle during the night, the system will reduce the power demanded by the vehicle to avoid exceeding the installation's contracted power. This prevents both supply interruptions and the need to increase the installation's contracted power just to connect your electric vehicle.

Application

The **CirBEON** model must be chosen based on contracted power:

- 16 A for 3,68 kW
- 20 A for 4,60 kW
- 25 A for 5,75 kW
- 30 A for 6,90 kW
- 35 A for 8,05 kW
- 40 A for 9,20 kW
- 45 A for 10,35 kW
- 50 A for 11,50 kW
- 63 A for 14,49 kW

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Code:

Specifications

Electrical characteristics

Insulation voltage between terminals S1-S2	0.72/3 kV

Environmental characteristics

Protection class	IP 20

Mechanical characteristics

Envelope	Polyester
Weight (kg)	0,05

Current measurement circuit

Transformation ratio	16/0.05 A

Measurement accuracy

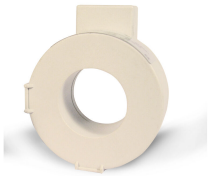
Accuracy	Clase 1

CirBEON
Sensor for dynamic recharge power control

CODE	TYPE	Contracted power (kW)
V42009.	CirBEON-63	14,49

Compatible with eHOME series equipment Maximum distance to the recharging equipment 200 m. Polyester encapsulation, IP 20. Dimensions: 60 x 32 mm

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Code:

Connections

