

# eMS CT

## CABLE TYPE CURRENT TRANSFORMER FOR eMS home

The eMS CT is a set of three cable type current transformers for installing on the live conductors in private domestic installations. In conjunction with the eMS home energy and load management system, the three cable type current transformers indirectly measure the current energy consumption at the grid connection point up to 300 A. Based on this measurement, eMS home can then dynamically adjust the charging current and efficiently distribute it in individual and group installations with up to six eMH1 wallboxes. If using the eMS CT, there is no need to disconnect the wire. The cable type current transformers are wired to the eMS home via the integrated 0.5 m long cables.



### General information

Model	Cable type current transformer for eMS home energy management system
Product number	EMSCT
EAN number	4011721190532
Commodity code	85043129
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	265 x 205 x 120 mm
Net weight	0.5 kg
Gross weight	0.9 kg
Items supplied	3 cable type current transformers up to 300 A, download information

### Compatibility

Compatible product ranges	eMS home
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## Cable type current converter specifications

IP rating	IP20
Operating temperature	-20 to 65 °C
Ambient temperature (storage)	-25 to 80 °C
Cable type current converter dimensions	65.5 × 46 × 35 mm
Secondary output	UL R/C cable, 16 AWG (1.3 mm <sup>2</sup> )
Cable diameter	24 mm
Cable length	0.5 m
Primary/secondary power	300 / 5 A
Frequency	50 / 60 Hz
Nominal insulation level	0.72 kV ac, dielectric strength 3 kV ac for 1 minute
Insulation class	Thermal class B (IEC 60085)
Accuracy (EN61869-2)	Class 1
Burden	2.5 VA

Subject to change: All performance characteristics, technical and other specifications are subject to change without prior notice.