

EV-TEST100

EVSE Adapter for Electric Vehicle Charger Testing

EV-TEST100 in combination with appropriate HT multifunction instrument simulates an electric vehicle connected to the charging station, allowing you to verify the EVSE full functionality and electrical safety. EV-TEST100 is able to test charging stations with charging modes 2 and 3 and Type 2 connector (European standard)

MECHANICAL INTERLOCK

Thanks to the simulation of the vehicle's status it is possible to verify that, starting from status B, the recharging column blocks the cable's release.*

* Only for charging stations equipped with an Interlock system

SIMULATION OF FAULT PE AND CP

Through the knob it is possible to carry out in a sequence the simulation of the interruption of the protective conductor (Fault PE) and the simulation of an error on the CP signal (Fault E).

MONITORING OF PWM OUTPUT

Through the dedicated output and the provided C100EV cable it is possible to verify the recharging mode and the encoding of the recharging current through the acquisition of the PWM signal (pulse width modulation).



VERIFICATION OF CONTROL PILOT

Through PP knob, rated currents of charging cables can be simulated, up to 63A.



VERIFICATION OF PROXIMITY PILOT

Possibility of simulating the various current capacitances of the recharging cable, up to 63A, when EV-TEST 100 is connected to the recharging station.*

* Only for charging stations supporting this function

Functions

Use for EVSE charging stations

Test cable with connector

Vehicle simulation via Control Pilot (CP state)

Simulating the current capacity of Proximity Pilot (PP state)

Fault condition simulation on PE

Diode simulation in short circuit

EVSE internal counter efficiency check

Input voltage

External load L-N-PE

CP signal

External load protection

Operating temperature

Operating humidity

Charging modes 2 and 3

Type 2 (IEC 62196-2)

States A, B, C, D

NC, 13A, 30A, 32A, 63A

FAULT PE

FAULT E

LOAD

Max 415V AC, Phase-Phase, 50 / 60Hz

240V 50/60Hz, Max 10A AC

PWM 12V

Fuse FF 10A / 250V, 5x20mm

0°C ÷ 40°C

<80%RH

Guidelines

- IEC/EN60364-7-722
- IEC/EN61010-1
- IEC/EN61851-1