

# EV charging controller AC - EV -1622452

## Product definition

- Product type: AC charging controller for private and commercial applications (EU/CN)
- Type: in housing
- Standards/regulations: IEC 61851-1

GB/T 18487.1-2015

SAE J1772

- Charging mode: Mode 3, Case B + C
- Number of supported charging points: 1
- Locking release in the event of mains failure: Integrated release function of the locking actuator for disconnection of Infrastructure Plug and Infrastructure Socket Outlet
- Conformance: CE-compliant

## Dimensions

- Height: 128 mm
- Width: 124 mm
- Depth: 64.00 mm

## Ambient conditions

- Ambient temperature (operation): -35 °C ... 70 °C
- Ambient temperature (storage/transport): -40 °C ... 85 °C
- Permissible humidity (operation): 30 % ... 95 %
- Degree of protection: IP20

## Inputs

- Number of digital inputs: 5
- Frequency range: 50 Hz ... 60 Hz
- Nominal power consumption: < 0.5 W (No-load)
- Nominal current  $I_N$ :  $\leq 1$  mA
- Nominal input voltage  $U_N$ : 12 V
- Input voltage range U1: 0 V ... 3 V (Off)
- Input voltage range U2: 9 V ... 15 V (On)

## Switching outputs

- Control of charging contactor: Relay output C1.2
- Minimum switching capacity: 1500 VA

- Maximum switching voltage: 250 V AC (External supply)
- Max. switching current: 6 A
- Control of locking actuator: Relay output LO+/-
- Minimum switching capacity: 24 VA
- Maximum switching voltage: 12 V (Internal supply)
- Max. switching current: 2 A

### **Digital outputs**

- Control of additional functions: 4 digital outputs
- Connection technology: Screw connection
- Maximum output voltage: 30 V
- Maximum output current: 0.5 A (Total current for all outputs; internally supplied)  
0.6 A (Per output; externally supplied)

### **RS-485 data interfaces**

- Number of interfaces: 1
- Bus system: RS-485
- Connection method: Screw connection
- Transmission speed: 9.6 kbps (Standard)  
9.6 kbps ... 19.2 kbps (adjustable)
- Data flow control/protocols: Modbus/RTU (slave)

### **Connection data**

- Connection method: Screw connection
- Conductor cross section flexible: 0.2 mm<sup>2</sup> ... 2.5 mm<sup>2</sup>
- Conductor cross section solid: 0.2 mm<sup>2</sup> ... 4 mm<sup>2</sup>
- Conductor cross section AWG: 24 ... 12

### **Device supply**

- Supply voltage: 230 V
- Supply voltage range: 100 V AC ... 240 V AC (nominal voltage range)
- Max. current consumption: 40 mA
- Nominal power consumption: < 1 W (No-load)
- Frequency range: 50 Hz ... 60 Hz

### **Mounting**

- Mounting position: any