

## CH-W-S-A11-P-A 2875280000

Mode 3 AC EV charging box SMART ADVANCED with a maximum charging capacity of 11 kW at 3-phase (400 V) grid connection, charging switchable from 3- to 1-phase charging, maximum charging current 16 A (current limit can be set individually), with permanently attached charging cable (5m) and type 2 plug, integrated 6 mA residual current detection (DC), LEDs for status indication, RFID/NFC reader for user authentication, MID compliant energy meter, robust IP54-housing, installation friendly housing concept for an easy and fast installation, different digital and serial interfaces, integrated mobile communication modem (4G/LTE), remote controllable (e.g. via OCPP 1.6 with a backend), networkable (including switch functionality with 2 ethernet ports), updatable, mobile app for remote control and configuration, dynamic load management incl. PV-surplus charging, Powerline-communication with the vehicle

### Technical Data

#### *Dimensions and weight:*

Dimensions: 273 x 439 x 167 mm

Net weight: 5.6 kg

#### *Temperatures and storage:*

Storage temperature: -40 °C ... 70 °C

Operating Temperature: -30 °C ... 45 °C

Humidity: 5 ... 95% rel. humidity

#### *Performance specification:*

Charge mode: Mode 3 according to IEC 61851-1

Input voltage type: AC

Grid connection: 400 V AC 3-phase

Max. charging capacity: 11 kW

Max. Charging current: 16 A (Adjustable in 1 A Steps)

Min. Charging current: 6A

#### *System requirements:*

Connection system: With attached 5 m cable and type 2 plug

Type of communication to vehicle: Control Pilot (CP),

Proximity Pilot / Plug Present (PP)

Protection class: I

Surge voltage category: III

Pollution severity: 3

#### *Features:*

Type of status indicator: RGB LED

Welding detection: Yes

Failure shutdown: Yes

Failure Shutdown method: All-pole

Integrated DC residual current protection: 6 mA

Type of residual current detection to be provided by the installation: RCD type A

Mobile App available: Yes

User authentication type: Mobile App, RFID / NFC, Auto-charge

Integrated energy measuring MID-conform: Yes

Integrated load management: dynamic

Supported protocols: Modbus RTU, Modbus TCP, OCPP 1.6 (J)

#### *Interfaces:*

WiFi: Yes (2.4 GHz)

Bluetooth module: Bluetooth low energy

Ethernet ports: 2

Digital inputs: 5 (12 V / 6 mA)

Digital outputs: 1 (12 V / 100 mA)

Serial interfaces: RS485

#### *Assembly:*

Assembly: Wall mounting, stand mounting

#### *Included in delivery:*

Included in delivery: Drilling template, Instruction sheet, 5 RFID-transponder, Mounting screws, Assembly dowels, cover

#### *Housing:*

Operating altitude: ≤ 3000 m

Housing main material: PC

Protection degree: IP54

Colour: black, Anthracite, grey

#### *Approvals and Norms:*

IEC 61851-1, IEC 61851-21-2, IEC 62196-1, IEC 62196-2, EN 50620, EN 301 489-1, EN 301 908-1, EN 301 511, EN300 328, EN 300 330 v.2.1.1, EN 62368-1, EN 55011

#### *Connection data (supply cable):*

Conductor cross-section, max.: 16 mm<sup>2</sup>

Manufacturer: Weidmüller