

## CH-W-S-A22-P7.5-E 2911220000

Mode 3 AC EV charging box SMART ECO with a maximum charging capacity of 22 kW at 3-phase (400 V) grid connection, maximum charging current of 32 A (Current limit can be set individually), with permanently attached charging cable (7.5m) and type 2 plug, integrated 6 mA residual current detection (DC), LEDs for status indication, robust IP54-housing, installation friendly housing concept for easy and fast assembly, different digital and serial Interfaces, networkable, updatable, mobile app for remote control and configuration

### Technical Data

#### *Dimensions and weight:*

Dimensions: 268 x 433 x 150 mm

Net weight: 6.1 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: 22 kW

Max. Charging current: 32 A (Adjustable in 1 A Steps)

Min. Charging current: 6 A

#### *System requirements:*

Connection system: With attached 7.5 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

Supported protocols: Modbus RTU, Modbus TCP

#### *Interfaces:*

WiFi: Yes (2.4 GHz)

Bluetooth module: Bluetooth low energy

Ethernet ports: 1

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, Mounting screws, Assembly dowels

#### *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