

# eMH1 WALLBOX

## WITH CHARGING SOCKET

### 11 kW

The eMH1 EVSE 502 is the smallest wallbox worldwide with built-in Type 2 charging socket for semi-public installations. The eMH1 is the perfect indoor and outdoor solution for efficient EV charging in corporate, hotel, exhibition center or underground car parks. With a choice of separately available charging cables (Type 2 to Type 2, Type 2 to Type 1), the system offers flexible charging of various types of electric vehicles. The charging socket is locked during the charging process to ensure a high safety level for the user and the vehicle.



## General information

Model	eMH1
Part number	EVSE 502
EAN number	4011721162584
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	400 x 400 x 285 mm
Includes	EVSE 502 Wallbox, printed Quick Start Guide, drilling template, 2 keys

## Input/Supply

Power supply	for supply cable sizes up to 5 x 4 mm <sup>2</sup>
Rated voltage	230 / 400 V
Rated current	16 A
Rated frequency	50 Hz
Back-up fuse	16 A (required onsite), C characteristic recommended
Terminal block	Direct connection to RCCB PE: 6 mm <sup>2</sup> feed-through terminal block

## Output/vehicle connection

Connection system	Single lockable Type 2 charging socket in acc. with IEC62196-2
Output voltage	230 / 400 V
Max. charging current	16 A
Maximum output	11 kW
Shut down (Standby)	all contacts

## Protection/integrated components

RCCB	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$
Energy meter	-
Installation contactor	4-pole (charging procedure activation)

## Charge control/status indicators

Charge controller	EVCC
Communication	in acc. with IEC 61851-1, Mode 3
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485

## Standards/Directives

IEC 61851-1 Ed 2.0:2010

## Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

## Housing

Type	Wall-mounted housing
Fixing type	Plug and screw fixing (screws included)
Material (housing)	Plastic
Housing color	RAL9005, black
Material (cover)	Plastic
Cover color	RAL9006, white aluminum
Locking mechanism	Lockable cover with integrated lock
Dimensions (HxWxD)	272 x 221 x 116 mm
Weight	ca. 2.3 kg

## Optional accessories

Pole	STEMH10
Mounting plate/wall bracket	WHEMH10
Mounting plate/wall bracket with RFID user identification	RFIDM00
Type 2 charging cable	LAK32A3, 32 A 240/415 V AC, length approx. 4 m
Type 2 charging cable	LAKC222, 20 A 240/415 V AC, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V AC, length approx. 4 m

## Dimensioned drawing

