

# eMH1 WALLBOX

## WITH CHARGING CABLE

### 3.7 kW

The eMH1 EVSE 503 is the smallest wallbox worldwide with an attached charging cable and Type 2 connector for installation in private areas. Thanks to its extremely compact dimensions, the eMH1 is the perfect indoor and outdoor solution for efficient charging of EV with a Type 2 charging socket. To get an extra high safety at work there is not only the integrated residual current circuit breaker but also the DC fault current detection.



## General information

Model	eMH1
Part number	EVSE 503
EAN number	4011721162591
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	400 x 400 x 285 mm
Includes	EVSE 503 Wallbox, printed Quick Start Guide, drilling template, 2 keys

## Input/Supply

Power supply	for supply cable sizes with 3 x 2.5 mm <sup>2</sup> (min.)
Rated voltage	230 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 charging cable with Type 2 connector in acc. with IEC62196-2, approx. 5 m
Output voltage	230 V
Max. charging current	16 A
Maximum output	3.7 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)	IP54
Power dissipation	n/a

## Housing

Type	Wall-mounted housing
Fixing type	Plug and screw fixing (screws not 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. 11.9 kg

## Optional accessories

Pole	STEMH10
Mounting plate/wall bracket	WHEMH10

## Dimensioned drawing

