

eMH1 WALLBOX

WITH CHARGING SOCKET

22 kW

The eMH1 1W2221 is the smallest wallbox with built-in Type 2 charging socket for the private and semi-public domain. 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 integrated residual current circuit breaker guarantees an extra high operational safety. Our DC fault current detection is installed as standard.



General information

Model	eMH1
Part number	1W2221
EAN number	-
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	355 x 315 x 175 mm
Includes	Wallbox, printed installation guide, drilling template, mounting kit, 2 keys

Input/Supply

Power supply	max. 5 x 6 mm ²
Rated voltage	230 / 400 V
Rated current	32 A
Mains frequency	50 Hz
Back-up fuse	32 A
Terminal block	Direct connection to RCCB PE: 6 mm ² 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	32 A
Maximum output	22 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)
Welding detection	Triggered by welding of the contactor
Temperature monitoring	Gradual lowering of charging current in case of overheating

Charge control/status indicators

Charge controller	EVCC2
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
RFID card reader	-

Standards/Directives

IEC 61851-21-2
IEC 61851-1 Ed. 3
IEC 60364-7-722 Ed. 1

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/IP54 (plugged/unplugged)
Power dissipation	n/a

Enclosure

Type	Wall-mounted housing
Fixing type	Plug and screw fixing (screws included)
Material (housing)	Plastic
Housing color	RAL9005
Material (cover)	Plastic
Cover color	RAL9006
Locking mechanism	Lockable cover with integrated lock
Dimensions (HxWxD)	272 x 221 x 116 mm
Weight	ca. 3 kg

Optional accessories

Pole	STEMH10
Foundation	EMH9999
Mounting plate/wall bracket with key switch	1W0001
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
Load management	SBCH1

Dimensioned drawing

