

eMH1 WALLBOX

WITH CHARGING CABLE

7.2 kW

The eMH1 EVSE 531 is the smallest wallbox worldwide with an attached charging cable and Type 1 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 1 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. The eMH1 EVSE 531 is approved by NISSAN EUROPE, S.A.S. for charging NISSAN electric vehicles.



General information

Model	eMH1
Part number	EVSE 531
EAN number	4011721169484
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	400 x 400 x 285 mm
Includes	EVSE 531 Wallbox, printed Quick Start Guide, drilling template, mounting kit, 2 keys

Input/Supply

Power supply	for supply cable sizes with 3 x 2.5 mm ² (min.)
Rated voltage	230 V
Rated current	32 A, preset at 30 A
Rated frequency	50 Hz
Back-up fuse	32 A (required onsite), C characteristic recommended
Terminal block	Direct connection to RCCB PE: 6 mm ² feed-through terminal block

Output/vehicle connection

Connection system	Single charging cable with Type 1 connector in acc. with IEC62196-2, approx. 5 m
Output voltage	230 V
Max. charging current	32 A
Maximum output	7.2 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	2 contactors connected in series (welding protection)

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
RFID card reader	-

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 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 kg

Optional accessories

Pole	STEMH10
Mounting plate/wall bracket	WHEMH10

Dimensioned drawing

