

eMH3 WALLBOX

TWIN WITH CHARGING SOCKETS

44 kW

Our new eMH3 wallbox impresses with an extremely clean and elegant design. The color backlit symbols in the mirror-finish black cover with silver frame indicate the current charging status. The eMH3 Twin has two Type 2 charging sockets with a charging capacity of up to 22 kW each, with the internal load management module ensuring intelligent power distribution. For access control, the internal RFID module of the eMH3 Wallbox can be activated at any time via software. Of course, the eMH3 comes with our DC fault current detection installed as standard. 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.



General information

Model	eMH3
Model number	3W4401
EAN number	4011721171104
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions HxWxD)	600 x 500 x 300 mm
Components included	eMH3 Wallbox, printed Quick Start Guide, mounting kit, 1 three-square socket wrench, 5 RFID user cards, 1 RFID TEACH-IN card

Input/mains supply

Power supply	Supply up to a maximum of 16 mm ² or cable diameter ≤ 25 mm ²
Rated voltage	230/400 V
Rated current	2 x 32 A
Rated frequency	50 Hz
Upstream fuse	32 A (required onsite), C characteristic recommended
Terminal block	Direct connection to RCCB PE: feed-through terminal block

Output/vehicle connection

Connection system	Two lockable Type 2 charging sockets in acc. with IEC62196-2
Output voltage	230/400 V
Max. charging current	2 x 32 A
Maximum output	2 x 22 kW

Protection/integrated components

RCCB	RCCB, Type A, 30 mA
DC fault current detection	electronic, $I_{\Delta n.d.c.} \geq 6 \text{ mA}$
Load switching	Installation contactor, 4-pole, 40 A
Welding detection	Contactor welding trips the second installation contactor
Temperature monitoring	internal, charging current reduction or shut down

Charging monitor/status indicators

Charge controller	EVCC2
Indication (operating state/fault indication)	LED
Access control	RFID MIFARE
Communication EV	in acc. with IEC 61851-1 Mode 3
Communication EVSE	RS485

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

Operating conditions

Storage temperature	-30 to 85°C
Operating temperature	-30 to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
Degree of protection (housing)	IP44/IP54 (plugged/unplugged)
Impact strength	IK08
Maximum elevation	$\leq 2,000 \text{ m AMSL}$

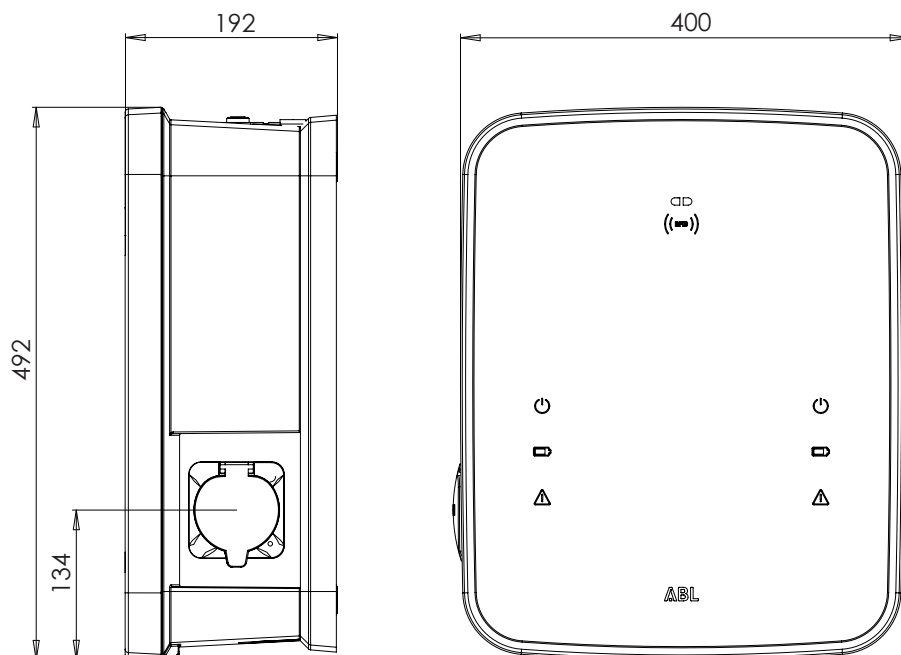
Housing

Type	Wall-mounted housing
Fixing type	Wall mounting via supplied mounting plate and screws
Material (housing)	Plastic
Housing color	Black, similar to RAL9011
Material (door/cover)	Plastic
Color (door/cover)	silver, similar to RAL9006 / black, similar to RAL9017
Locking mechanism	integrated lock
Dimensions (HxWxD)	492 x 400 x 192 mm
Weight (net)	Approx. 13.5 kg

Optional accessories

Pole	STEMH30
Foundation	EMH9999
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
RFID card	E017869, ID TAG RFID user card for stand-alone operation
see website at www.abl.de	

Dimensioned drawing



Subject to change: All features, specifications and other information are subject to change without notice.