

WALLBOX eMH3

SINGLE EXTENDER+ WITH CHARGING SOCKET & reev Dashboard Compact 22 kW

The calibration law compliant Wallbox eMH3 Single has an integrated Type 2 charging socket. With Dashboard Compact by reev for monitoring, it is the smart, entry-level charging solution for domestic and semi-public applications. In multiple unit installations up to 15 Wallboxes eMH3 extender can be connected to one controller unit. Alternatively, the Wallbox eMH3 can be configured for stand-alone use using the software provided. With a Type A residual current circuit breaker (RCCB) and DC fault current detection integrated as standard, the wallbox with backend is pre-installed for connection by the installing technician and ready for immediate use. The Wallbox eMH3 with Dashboard Compact is 'Made in Germany' and offers the highest safety standards available.



General information

| | |
|------------------------------|---|
| Model | eMH3 |
| Product number | 3W2250C |
| EAN number | 4011721183220 |
| Commodity code | 85371091 |
| Packaging unit (PU) | 1 unit |
| Packaging (dimensions HxWxD) | 586 x 487 x 381 mm |
| Items supplied | Wallbox, printed quick reference guide, 1 triangular key, installation kit, 2 reev RFID cards, 1 reev QR code |

Input/mains supply

| | |
|-----------------------|--|
| External power supply | Supply cables up to a maximum of 16 mm ² or cable diameters ≤ 25 mm |
| Rated voltage | 230/400 V |
| Rated current | 32 A |
| Rated frequency | 50 Hz |
| Upstream fuse | 32 A (required onsite), C characteristic recommended |
| Terminal blocks | Direct connection to RCCB PE: 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 |

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 | MID compliant |
| Compliance module | Logging Gateway (LGW) |
| Load switching | Installation contactor, 4-pole, 40 A |
| Weld detection | Contacting welding switches off the charging point |
| Overcurrent protection | Integrated into firmware, disconnection at 110% after 100 seconds, at 120% after 10 seconds |
| Temperature monitoring | internal, charging current reduction or shut down |

Charge monitoring/status indicators

| | |
|-----------------------------------|--------------------------------------|
| Operating status indicator | LED |
| Access control | RFID card, QR code or smartphone app |
| Communication EV | in acc. with IEC 61851-1 Mode 3 |
| Communication Controller/Extender | RS485 |

Software/Backend

| | |
|---|--|
| Backend communication | Via controller wallbox |
| Access control | Unlimited driver and vehicle access rights allocated via RFID cards |
| Smartphone app for drivers | Entering payment and invoicing details, accessing transaction histories, available for Android and iOS |
| Management & monitoring | Simple and user-friendly administration of EV charging infrastructure networks across several sites via the online dashboard |
| Analytics | Clear visual representations of charging procedure and consumer behaviour analyses |
| EV charging with consumption monitoring | Cost monitoring for company cars and fleet vehicles, exporting charging histories |
| Software updates | Automatic and free software updates |

Standards/guidelines

| |
|-----------------------------|
| IEC 61851-1 |
| IEC 61439-7 ACSEV |
| in acc. with MessEV Modul B |

Operating conditions

| | |
|--------------------------------|---------------------------|
| Storage temperature | -30 to 85°C |
| Operating temperature | -25 to 40°C |
| Relative humidity | 5 to 95%, no condensation |
| Class of protection | I |
| Overvoltage category | III |
| Degree of pollution | 3 |
| Degree of protection (housing) | IP54 |
| Impact strength | IK08 |
| Maximum elevation | ≤ 2,000 m AMSL |
| Power dissipation | 7 W |

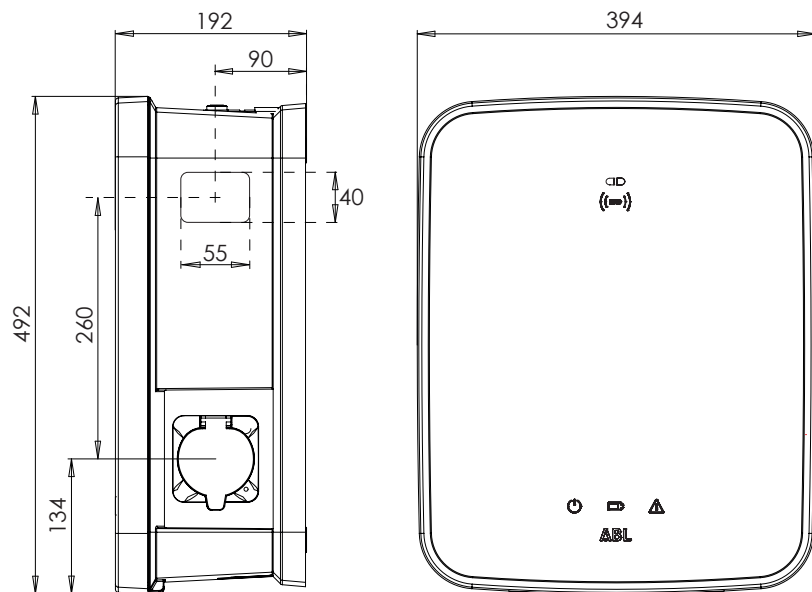
Housing

| | |
|--------------------------|---|
| Type | Wall-mounted housing |
| Fixing type | Wall installation using mounting plate and installation kit |
| Material (housing/cover) | Plastic |
| Housing colour | black, similar to RAL9011 |
| Cover colour | silver, similar to RAL9006 / black, similar to RAL9017 |
| Locking mechanism | integrated triangular key lock |
| Dimensions (HxWxD) | 492 × 394 × 192 mm (housing base without overhangs) |
| Weight (net) | approx. 10 kg |

Optional accessories

| | |
|---|---|
| Pole | POLEMH3 |
| Foundation block for pole | EMH9999 |
| Double pole | POLEMH6 |
| Foundation block for double pole | EMH9996 |
| Weather protection roof | WPR36 |
| Cable storage holder with charging plug adapter | CABHOLD |
| Type 2 charging cable | LAK32A3, 32 A 240/415 V, length approx. 4 m |
| Type 2 charging cable | LAK32A3, 32 A 240/415 V, length approx. 7 m |
| Type 2 to Type 1 adapter cable | LAKK2K1, 32 A 230 V, length approx. 4 m |
| Configuration kit | CONF CAB |
| RFID card | E017869, 5 pcs |
| Multi-purpose installation tester | TE001 |
| Vehicle simulation adapter | TE002 |
| see website at www.ablmobility.de | |

Dimensioned drawing



Subject to change: All performance characteristics, technical and other specifications are subject to change without prior notice.

ABL SURSUM
Bayerische Elektrozubehör GmbH & Co. KG

Albert-Büttner-Straße 11
D-91207 Lauf / Pegnitz

Phone +49 (0) 9123 188-0
Fax +49 (0) 9123 188-188

info@abl.de
www.ablmobility.de

reev
by emonvia GmbH

Theo-Prosel-Weg
D-80797 München

Phone +49 (0) 89 215 389 70

sales@reev.com
www.reev.com