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# WALLBOX eMH3
## SINGLE EXTENDER+ WITH CHARGING CABLE & reev Dashboard Pro
## 22 kW

The calibration law compliant Wallbox eMH3 Single has a fixed charging cable with Type 2 charging connector. With the intelligent Dashboard Pro by reev for invoicing charging procedures, it is the ideal 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 Pro is 'Made in Germany' and offers the highest safety standards available.

## General information

| Model | eMH3 |
|---|---|
| Product number | 3W2251P |
| EAN number | 4011721180847 |
| Commodity code | 85371091 |
| Packaging unit (PU) | 1 unit |
| Packaging (dimensions H×W×D) | 736 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 mm² 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<br>PE: feed-through terminal block |

## Output/vehicle connection

| | |
|---|---|
| Connection system | Single charging cable with Type 2 connector in acc. with IEC62196-2, ca. 6 m |
| 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, $I_{\Delta n\ d.c.} \geq 6$ mA |
| Energy meter | MID compliant |
| Compliance module | Logging Gateway (LGW) |
| Load switching | Installation contactor, 4-pole, 40 A |
| Weld detection | Contactor 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 via the reev online Dashboard |
| Analytics | Clear visual representations of charging procedure and consumer behaviour analyses |
| Public EV charging applications | Easy access for visitors and incidental charging via QR code or EV charging card; ad hoc invoicing via credit card, Apple Pay, Google Pay or eRoaming |
| EV charging with consumption monitoring | Cost monitoring for company cars and fleet vehicles, exporting charging histories |
| EV charging for registered drivers | Automated monthly invoicing via credit card for access via RFID card, individual tariff setting for different user groups |
| Software updates | Automatic and free software updates |

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# 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 |

# Standards/guidelines

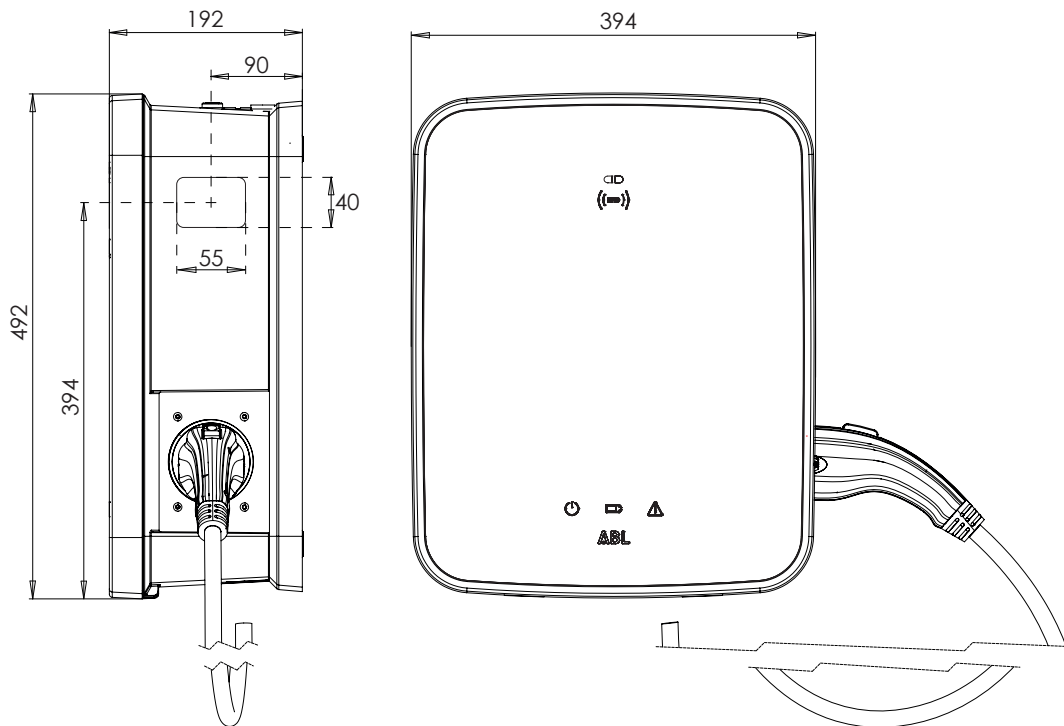| IEC 61851-1 |
|---|
| IEC 61439-7 ACSEV |
| in acc. with MessEV Modul B |

# 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 (H×W×D) | 492 × 394 × 192 mm (housing base without overhangs) |
| Weight (net) | approx. 15 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 |
| Configuration kit | CONFCAB |
| RFID card | E017869, 5 pcs |
| Multi-purpose installation tester | TE001 |
| Vehicle simulation adapter | TE002 |
| see website at **www.ablmobility.de** | |

# Dimensioned drawing