

WALLBOX eMH1

SINGLE

WITH CHARGING CABLE

7.2 kW

The eMH1 1W7201 charging station is the world's smallest wall box with fixed charging cable and Type 2 connector for domestic and semi-public installations. Thanks to its extremely small dimensions, it is the perfect solution for the efficient charging of electric vehicles with Type 2 charging sockets suitable for indoor and outdoor installation. The integrated RCCB ensures a particularly high level of operating safety. The 1W7201 comes with our DC fault current detector preinstalled.



General information

| | |
|------------------------------|--|
| Model | eMH1 |
| Model number | 1W7201 |
| EAN number | |
| Commodity code | 85371091 |
| Packaging unit (PU) | 1 unit |
| Packaging (dimensions HxWxD) | 400 x 400 x 285 mm |
| Components included | Wallbox 1W7201, printed quick reference guide, drilling template, mounting kit, 2 keys |

Input/electricity supply

| | |
|-----------------|--|
| Grid connection | for supply cable sizes of at least 3 x 6 mm ² |
| Rated voltage | 230 V |
| Rated current | 32 A |
| Rated frequency | 50 Hz |
| Upstream fuse | 32 A (required onsite), C characteristic recommended |
| Terminal block | Direct connection to FI residual current circuit breaker (RCCB) PE: 6 mm ² feed-through terminal block |

Output/vehicle connection

| | |
|-----------------------|--|
| Connection system | Single charging cable with Type 2 connector in acc. with IEC62196-2, ca. 3 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 | 4-pole (charging procedure activation) |
| Welding Detection | Trips when contactor is welded shut |
| Temp monitoring | Gradually reduces charging current in case of overheating |

Charging monitor/status indicators

| | |
|----------------------------|--------------------------------------|
| Charge controller | EVCC2 |
| Communication | in acc. with IEC 61851-1 Mode 3 |
| Operating status indicator | LED (standby, EV detected, charging) |
| Firmware indicator | LED (flashes on startup) |
| Fault indicator | LED (various flash patterns) |
| Interface | RS485 |
| RFID card reader | - |

Standards/guidelines

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 |
| Degree of pollution | 3 |
| Degree of protection (housing) | IP54 |
| Power dissipation | no data |

Housing

| | |
|--------------------|--|
| Type | Wall-mounted housing |
| Fixing type | Plug and screw fixing (fixings 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 220 x 106 mm |
| Weight | ca. 9 kg |

Optional accessories

| | |
|------------------------|---------|
| Mounting pole | STEMH10 |
| Mounting plate/bracket | WHEMH10 |

Dimensioned drawing

