

CHARGING STATION eMH1 Basic with socket EVSE 502

The eMH1 EVSE 502 charging station with built-in type 2 charging socket is designed for semi-public installations. The eMH1 is the perfect solution for efficient EV charging in corporate, hotel, exhibition center or underground car parks. 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. The charging socket is locked during the charging process to ensure a high safety level for the user and the vehicle.



Design may vary

General information

| | |
|------------------------------|--|
| Model | eMH1 |
| Part number | EVSE 502 |
| Item number (EAN) | 4011721162584 |
| Commodity code | 85371091 |
| Packaging unit (PU) | 1 unit |
| Packaging (dimensions HxWxD) | 400 x 400 x 285 mm |
| Includes | EVSE 502 charging station, instruction manual, drilling template, 2 keys |

Input/Supply

| | |
|-----------------|--|
| Power supply | for supply cable sizes up to 5 x 4 mm ² |
| Rated voltage | 230/400 V |
| Rated current | 16 A |
| Rated frequency | 50 Hz |
| Upstream fuse | 16 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, lockable Type 2 charging socket in acc. with IEC62196-2 |
| Output voltage | 230/400 V |
| Max. charging current | 16 A |
| Maximum output | 11 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) |

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/Guidelines

IEC 61851-1 Ed 2.0:2010

Operating conditions

| | |
|--------------------------------|---------------------------|
| Storage temperature | -30°C to 85°C |
| Operating temperature | -25°C to 50°C |
| Relative humidity | 5 to 95%, no condensation |
| Class of protection | I |
| Overvoltage category | II |
| Pollution degree | 3 |
| Degree of protection (housing) | IP44 |
| Power dissipation | n/a |

Housing

| | |
|--------------------|---|
| Type: | Wall-mounted housing |
| Fixing type | Plug and screw fixing (screws not included) |
| Material (housing) | Plastic |
| Housing color | RAL9005 black |
| Material (cover) | Plastic |
| Cover color | RAL7035 light gray |
| Locking mechanism | Lockable cover with integrated lock |
| Dimensions (HxWxD) | 272 x 221 x 116 mm |
| weight | ca. 2,3 kg |

Accessories

| | |
|-----------------------------|------------------|
| Type 2 charging cable | Adapter cable |
| Type 2 to Type 2 | Type 2 to Type 1 |
| Mounting Pole | |
| Mounting plate/wall bracket | |

Dimensioned drawing

