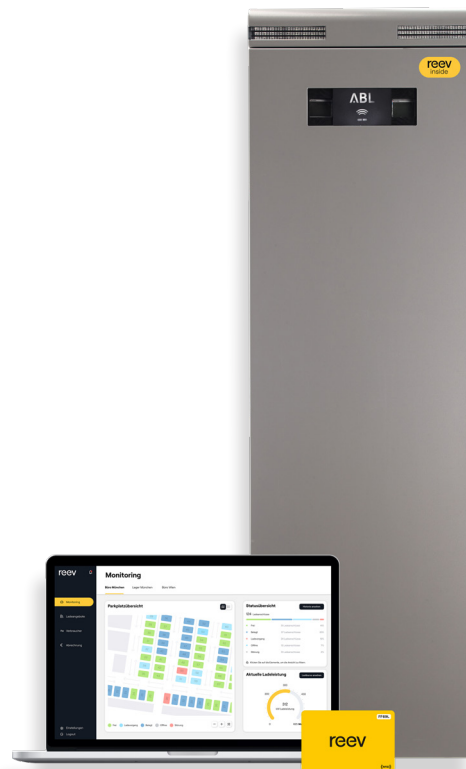


CHARGING POLE eMC2 CONTROLLER WITH CHARGING SOCKETS & reev Dashboard Basic 44 kW

The eMC2 charging pole has two integrated Type 2 charging sockets. Thanks to its ability to charge two vehicles simultaneously, and its intelligent reev Dashboard, it is the ideal solution for semi-public and public applications. In group installations, the controller charging pole takes care of all necessary communication functions with the reev Dashboard. The included 24-month reev Dashboard Basic enables future-proof operation, regular software updates, as well as flexible user and RFID management. The Dashboard can also be upgraded at any time. With a Type A residual current circuit breaker (RCCB) and DC fault current detection integrated as standard, the charging pole with Dashboard is pre-installed and ready for connection by the installing technician and for immediate use. The charging pole eMC2 with reev Dashboard Basic is 'Made in Germany' and offers the highest safety standards available.



General information

| | |
|------------------------------|---|
| Model | eMC2 |
| Product number | 2P4445B |
| Item number (EAN) | 4011721181219 |
| Commodity code | 85371091 |
| Packaging unit (PU) | 1 unit |
| Packaging (dimensions LxWxH) | Shipped in carton on disposable pallet, 1,790 x 670 x 470 mm |
| Items supplied | Charging pole, printed instruction manual, installation kit, 2 reev RFID cards, 2 reev QR codes, SIM card, reev onboarding letter |

Input/mains supply

| | |
|-----------------------|---|
| External power supply | for supply cable sizes up to 5 x 70 mm ² , AL/CU |
| Rated voltage | 230/400 V |
| Rated current | 63 A |
| Rated frequency | 50 Hz |
| Upstream fuse | 63 A |
| Terminal blocks | Direct connection to high-current terminal blocks |

Output/vehicle connection

| | |
|---|---|
| Connection system per charge point | Lockable Type 2 charging socket, 32 A, in acc. with IEC62196-2, automatic unlocking in case of grid connection loss |
| Output voltage per charge point | 230/400 V |
| Maximum charging current per charge point | 32 A |
| Maximum charging output per charge point | 22 kW |
| Load management | SBC |

Protection/integrated components

| | |
|--------------------------------------|---|
| MCB per charge point | 32 A, 4-pole, C characteristic |
| RCCB per charge point | RCCB, Type A, 30 mA |
| DC fault current detection | electronic, $I_{\Delta n \text{ d.c.}} \geq 6 \text{ mA}$ |
| Energy meter per charge point | MID compliant |
| Load switching | Installation contactor, 4-pole, 40 A |
| Weld detection | Contactor welding trips RCD |
| Overcurrent protection | Integrated into firmware, disconnection at 105% after 1000 seconds, at 110% after 100 seconds, at 120% after 10 seconds |
| Temperature monitoring | internal, charging current reduction or shut down |
| Lightning and overvoltage protection | Type 1 + Type 2 combined arrester |
| Shut down (Standby) | all poles |

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 |
| Backend communication | LAN, LTE, OCPP 1.6 |

Software/Backend

| | |
|------------------|---|
| Access control | Driver and vehicle access rights allocated via RFID cards |
| Software updates | Automatic and free software updates |

Standards/guidelines

| |
|-------------------|
| IEC 61851-1 |
| IEC 61439-7 ACSEV |

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) | IP44/IP54 (plugged/unplugged) |
| Impact strength | IK10 |
| Maximum elevation | ≤ 2,000 m AMSL |
| Power dissipation | – |

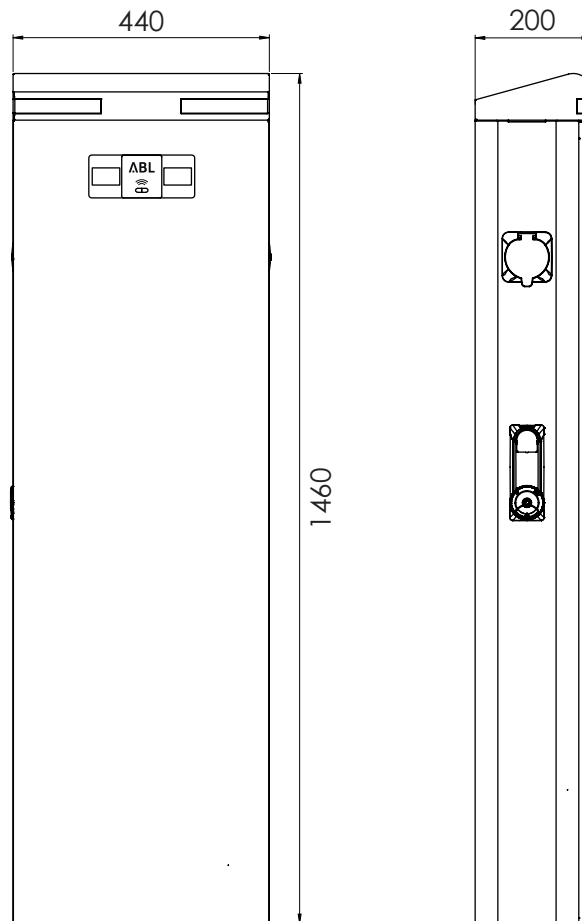
Housing

| | |
|--------------------------|---|
| Type | Mounting pole |
| Fixing type | Screw fixings for installation on prefabricated concrete foundation (with or without plinth, both available separately) |
| Material (housing/cover) | Steel |
| Housing colour | Powder coated RAL9005 |
| Cover/roof colour | Powder coated DB701 |
| Locking mechanism | Grip handle, prepared for the installation of a profile cylinder lock |
| Pole dimensions (HxWxD) | 1,460 × 440 × 200 mm |
| Weight | approx. 44 kg |

Accessories

| | |
|---|---|
| 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 |
| Prefabricated foundation | EMC9999 |
| Plinth 160 mm | EMC9998 |
| Plinth 100 mm | EMC9997 |
| 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.

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