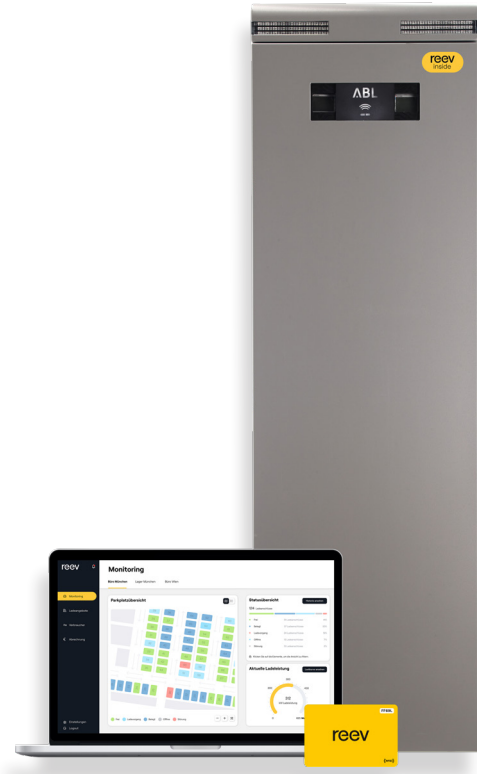


# CHARGING POLE eMC3 EXTENDER+ WITH CHARGING SOCKETS & reev Dashboard Basic 44 kW

The weights and measures legislation compliant charging pole eMC3 has two integrated Type 2 charging sockets. Thanks to its ability to charge two vehicles simultaneously and its intelligent reev backend, it is the ideal solution for public applications. In multiple unit installations up to 7 eMC3 extender charging poles can be connected to one controller. The included 24-month reev Backend Basic licence enables future-proof operation, regular software updates, as well as flexible user and RFID management. The backend can also be upgraded at any time. The double powder-coated metal housing is splash and dust protected. Rain runs off the curved cover towards the back. The plinth is designed so that the eMC3 charging pole is easy to install on any surface and appears to float. The charging pole is equipped with two energy meters, over-voltage protection and two Type B residual current circuit breakers (RCCB). The charging pole eMC3 with reev Backend Basic is 'Made in Germany' and offers the highest safety standards available.



## General information

Model	eMC3
Product number	3P4436B
Item number (EAN)	4011721182483
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, two reev RFID cards

## Input/mains supply

External power supply	for supply cable sizes up to 5 x 70 mm <sup>2</sup> , 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	Via controller

## Protection/integrated components

MCB per charge point	32 A, 4-pole, C characteristic
RCCB per charge point	RCCB, Type B, 30 mA
Energy meter per charge point	MID compliant
Compliance module	Logging Gateway (LGW)
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

## Software/Backend

Backend communication	Via controller charging pole
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

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)	IP44/IP54 (plugged/unplugged)
Impact strength	IK10
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	14 W

## Housing

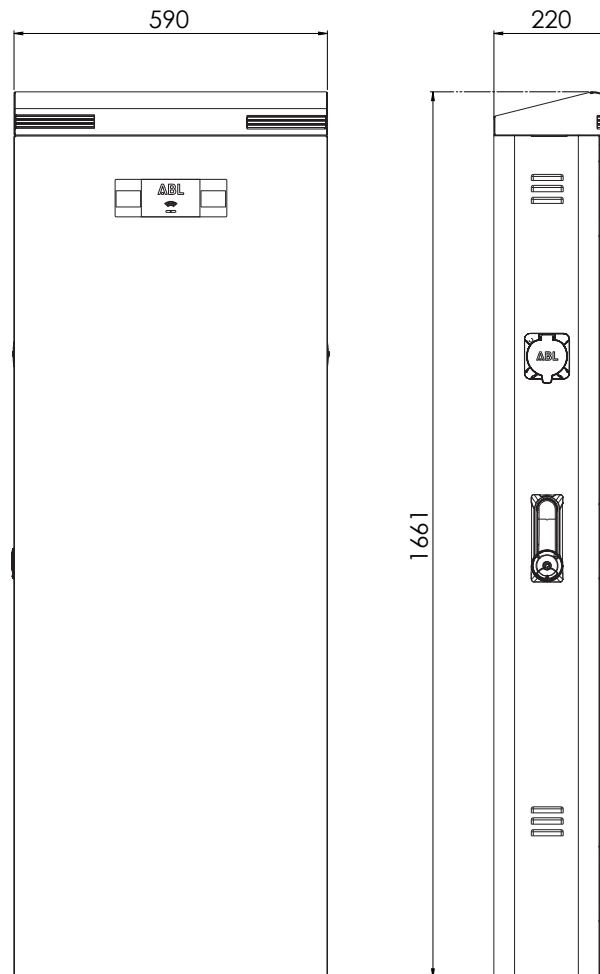
Type	Mounting pole
Fixing type	Screw fixings for installation on prefabricated concrete foundation (with or without plinth, both available separately)
Material (housing/cover)	Steel
Housing colour	Powder coated DB703
Cover colour	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1,661 × 590 × 220 mm
Weight	approx. 90 kg

## Accessories

Type 2 charging cable	LAK32A3, 32 A 240 / 415 V, length approx. 4 m
Type 2 charging cable	LAKC222, 20 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	EMC9996
Plinth 100 mm	EMC9994
Configuration kit	CONF CAB
RFID card	E017869, 5 pcs
Multi-purpose installation tester	TE001
Vehicle simulation adapter	TE002

see website at [www.ablmobility.de](http://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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