

# CHARGING POLE eMC3 reev ready

## EXTENDER+ WITH CHARGING SOCKETS

### 44 kW

The charging pole eMC3 reev ready, which is compliant with the German calibration law, has two internal type 2 charging sockets for simultaneous charging of two vehicles. In a group installation, up to 7 charging poles eMC3 Extender can be connected to one charging pole eMC3 Controller. The extender version is already pre-configured for easy activation of the reev software and is thus the smart entry-level charging solution for private and semi-public areas. After commissioning the associated reev ready controller charging pole, the extender charging pole has connectivity for 2 years. Activating the reev backend within this period additionally allows use of the remote service free of charge. With the reev ready Compact or Pro licence keys, the reev Dashboard can be activated quickly and easily for the pre-configured ABL charging pole up to 2 years after commissioning. The reev ready licence keys offer future-proof operation, regular software updates as well as a wide range of functionalities and the reev customer support. 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, overvoltage protection and two type B residual current circuit breakers (RCCB). The eMC3 charging pole with reev backend is pre-installed and ready for connection by the installing technician. It 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 × 670 × 470 mm
Items supplied	Charging pole, printed operating manual, installation kit, reev onboarding guide, 2 reev QR codes, reev sticker

## Input / mains supply

External power supply	For supply cable sizes up to 5 × 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 IEC 62196-2, 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, QR code or smartphone app
Communication EV	In acc. with IEC 61851-1 Mode 3
Communication Controller / Extender	RS485

## Standards / directives

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

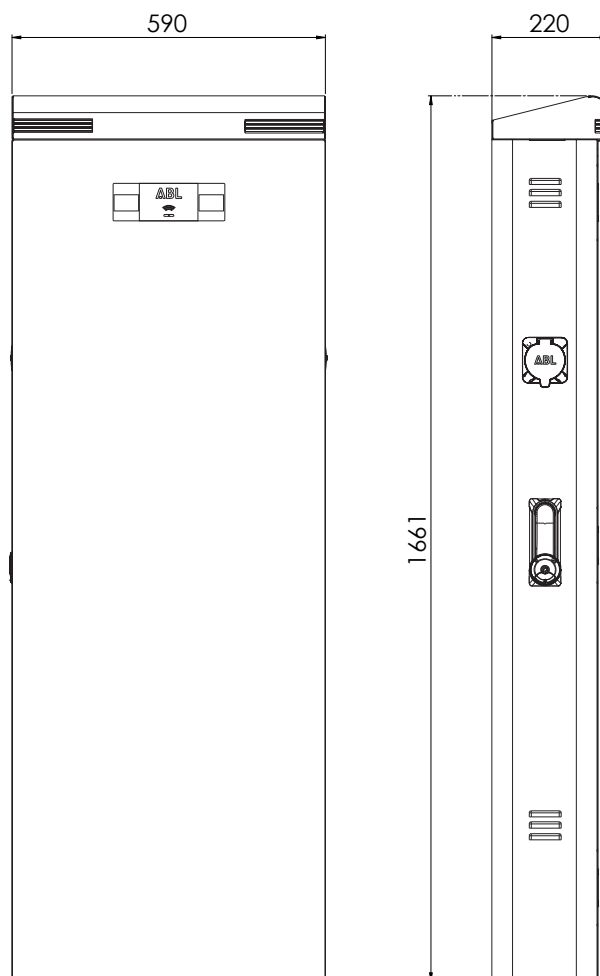
## Housing

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	DB 703, powder coated
Cover colour	DB 701, powder coated
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

reev ready Compact licence key	100000188
reev ready Pro licence key	100000189
Type 2 charging cable	For further information, please refer to the data sheet of the Type 2 charging cable.
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
Vehicle simulation adapter	TE005

## Dimensioned drawing



Subject to change: All performance characteristics, technical and other specifications are subject to change without prior notice.

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