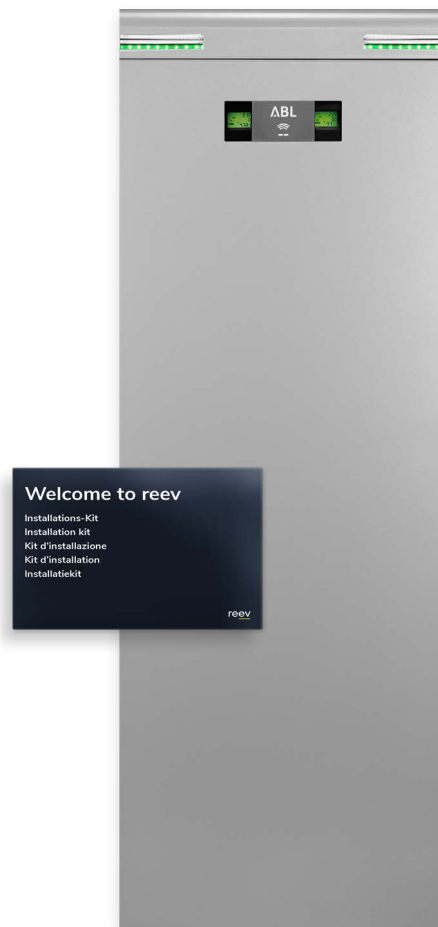


Charging pole eMC3 reev ready

Controller+/Extender+ with charging
sockets
44 kW

The eMC3 charging station, which is compliant with calibration law, has two internal Type 2 charging sockets. Thanks to its ability of charging two vehicles at the same, it is the ideal solution for public applications. In group installations, the Controller+ charging pole performs all the necessary functions for communication with the reev backend and for controlling up to seven eMC3 Extender+ charging poles. The Controller+ and Extender+ variants are already pre-configured free of charge for easy activation of the reev software and is thus the smart entry-level charging solution for public and semi-public areas. After commissioning, the reev ready 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 eMC3 is equipped with two energy meters, overvoltage protection and two type A residual current circuit breakers with a 6 mA DC tripping threshold (RCCB type A EV). All ABL charging poles are “Made in Germany” and comply with the highest safety standards.



GENERAL INFORMATION

Model range	eMC3
Commodity code	85371091
Packaging unit (PU)	1 unit
Dimensions PU	1.790 × 670 × 470 mm (H×W×D), shipped in carton on disposable pallet
Items supplied	All models: Charging pole, printed manual, printed instructions on “Calibration law compliant charging”, installation kit, reev onboarding guide, 2 reev QR codes, reev sticker Additional for Controller: 1 reev RFID test key, 1 SIM card, reev operator set, 2 reev RFID charging keys

INPUT / MAINS SUPPLY

External power supply	3P4412B, 3P4432B: For supply cable sizes up to 5 × 95 mm ² , AL / CU 3P4435B, 3P4436B: For supply cable sizes up to 5 × 50 mm ² , AL / CU
Rated voltage	230 / 400 V (3-phase)
Rated current	63 A
Rated frequency	50 Hz
Upstream fuse	63 A
Domestic junction box	3P4412B, 3P4432B: NH00 63 A of max. 95 mm ²
Connection	3P4435B, 3P4436B: Direct connection to high-current terminal blocks

OUTPUT / VEHICLE CONNECTION

Charging port in acc. with IEC 62196-2	Lockable Type 2 charging socket, 32 A, in acc. with IEC 62196-2 per charge point, automatic unlocking in case of grid connection loss
Output voltage	230 / 400 V per charge point
Maximum charging current	32 A per charge point
Maximum output	22 kW per charge point
Load management	3P4412B, 3P4432B, 3P4435B: SBC 3P4436B: Via Controller

PROTECTION / INTEGRATED COMPONENTS

MCB	32 A, 4-pole, C characteristic per charge point
RCCB	RCCB type A EV, 30 mA with 6 mA DC tripping threshold per charge point
Energy meter	MID-compliant per charge point
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 1,000 seconds, at 110% after 100 seconds, at 120% after 10 seconds
Temperature monitoring	Internal, charging current reduction or shut down
Domestic electricity meter	3P4412B: eHZ adapter, 35 A upstream fuse 3P4432B: Three-point meter with counter plug-in terminals, without back-up fuse
Lightning and overvoltage protection	Type 1 + Type 2 combined arrester
Shut down (Standby)	All poles

SOFTWARE / BACKEND

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

COMMUNICATION / INTERFACES

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
Backend communication	LAN, optional LTE, OCPP 1.6 and 1.5 (Controller only)

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 to prefabricated concrete foundation
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
Dimensions	1,661 × 590 × 220 mm (H×W×D)
Weight (net)	Approx. 90 kg

MODEL OVERVIEW

	Product number	Calibration law compliance	EAN number
eMC3 Controller+ reev ready	3P4412B	Yes	4011721191539
	3P4432B	Yes	4011721191829
	3P4435B	Yes	4011721191546
eMC3 Extender+ reev ready	3P4436B	Yes	4011721191553

OPTIONAL ACCESSORIES

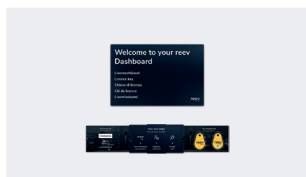
eMC3 Controller+



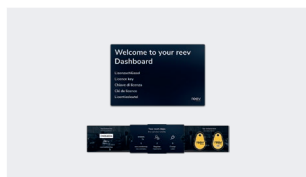
LTE accessory package

E3BLTE2

eMC3 Controller+ | Extender+

reev ready Compact
licence key

100000188

reev ready Pro
licence key

100000189

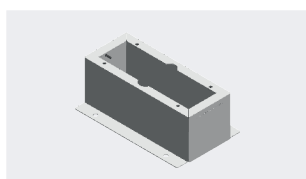
Prefabricated concrete
foundation

EMC9999



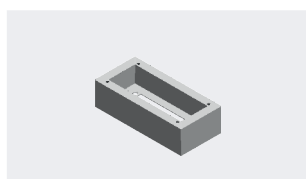
RFID key fob

100000253



Plinth 160 mm

EMC9996



Plinth 100 mm

EMC9994

Type 2 charging cable
(several variants)

CC2010, [...], CC3275

Type 2 – Type 1 adapter
cable

LAKK2K1

PRODUCT DIMENSIONS



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