ΛBL
+ reev

CHARGING POLE eMC2 reev ready
CONTROLLER WITH CHARGING SOCKETS
44 kW

The charging pole eMC2 reev ready has two internal type 2 charging sockets for simultaneous charging of two vehicles. The Controller version is designed for controlling additional Extender wallboxes in a group solution and is therefore perfectly suited for use in semi-public and public areas. The controller charging pole is already pre-configured for easy activation of the reev software and is thus the smart entry-level charging solution for semi-public and 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. With a Type A residual current circuit breaker (RCCB) and DC fault current detection integrated as standard, the eMC2 charging pole with reev backend is pre-installed and ready for connection by the installing technician. The charging pole eMC2 reev ready 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 L×W×H)	Shipped in carton on disposable pallet, 1,790 × 670 × 470 mm
Items supplied	Charging pole, printed operating manual, installation kit, reev onboarding guide, 1 reev RFID test key, 2 reev QR codes, 1 SIM card, reev operator set, 2 reev RFID charging keys, reev sticker

Input / mains supply

External power supply	For supply cable sizes up to 5 × 70 mm², 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	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, $I_{\Delta n\ d.c.}$ ≥6 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 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
Backend communication	LAN, LTE, optional Wifi, OCPP 1.5 + 1.6

Standards / directives

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

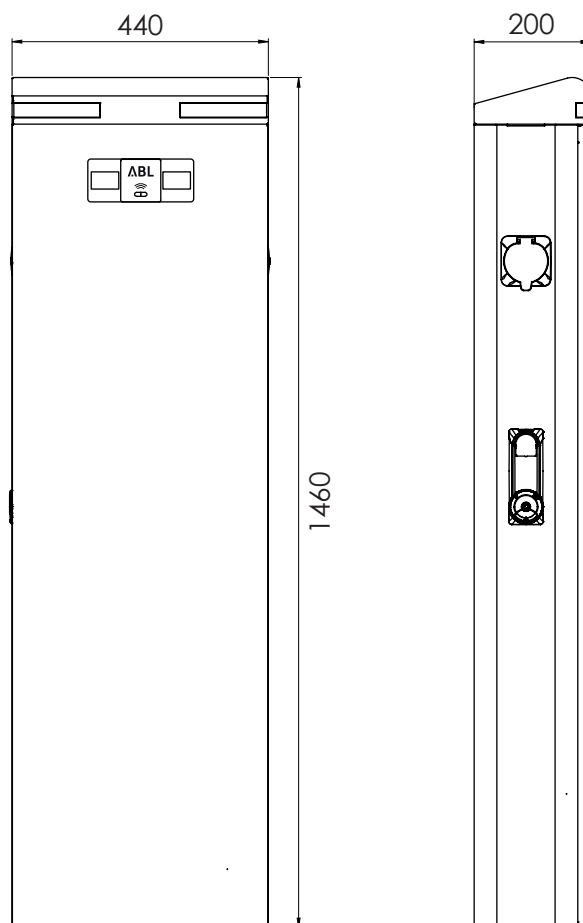| Type	Mounting pole
Fixing type	Screw fixings for installation on prefabricated concrete foundation (with or without plinth, both available separately)
Material (housing / cover)	Steel
Housing colour	RAL 9005, powder coated
Door / roof colour	DB 701, powder coated
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (H×W×D)	1,460 × 440 × 200 mm
Weight	Approx. 44 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	EMC9998
Plinth 100 mm	EMC9997
Configuration kit	CONFCAB
RFID card	E017869, 5 pcs
Vehicle simulation adapter	TE005
Dynamic load management up to 300 A	METERS
Dynamic load management up to 600 A	METERL

Dimensioned drawing

440

200

1460