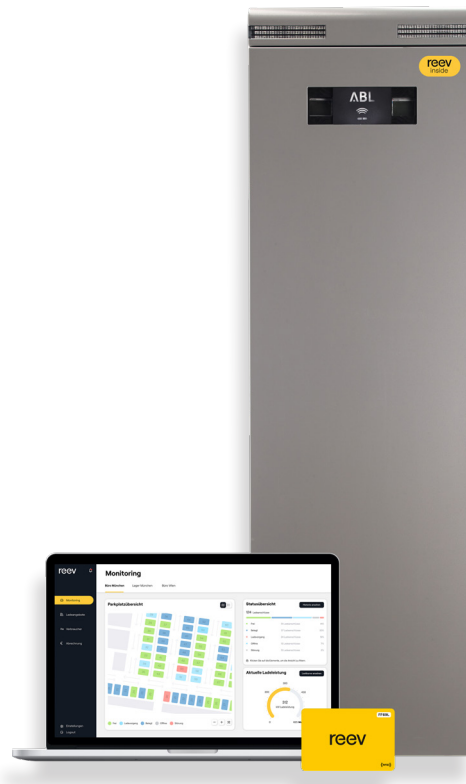ABL+
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CHARGING POLE eMC3
CONTROLLER+ WITH CHARGING SOCKETS
& reev Dashboard Basic
44 kW

Calibration law compliant, the eMC3 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 public applications. 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. 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, an upstream meter fuse, a domestic power distribution box, overvoltage protection and two Type B residual current circuit breakers (RCCB). The charging pole eMC3 with reev Dashboard Basic is 'Made in Germany' and offers the highest safety standards available.

General information

Model	eMC3
Product number	3P4412B
EAN number	4011721181301
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 instruction manual, installation kit, two reev RFID cards, reev user onboarding letter

Input/mains supply

External power supply	for supply cable sizes up to 5 × 95 mm², AL/CU
Rated voltage	230/400 V
Rated current	63 A
Rated frequency	50 Hz
Upstream fuse	63 A
Domestic junction box	NH00 63 A of max. 95 mm²

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 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
Domestic electricity meter	eHZ adapter, 35 A upstream fuse
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

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Standards/guidelines

IEC 61851-1	
IEC 61439-7 ACSEV	
in acc. with MessEV Modul B	

Operating conditions

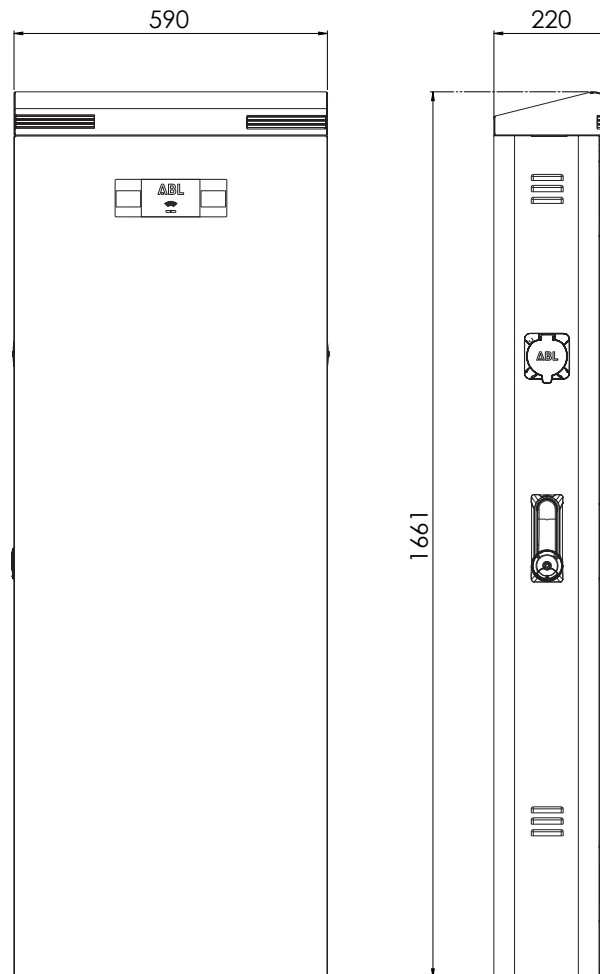|	
Storage temperature	-30 to 85°C
Operating temperature	-25 to 40°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Degree of pollution	3
IP rating	IP44/IP54 (plugged/unplugged)
Impact strength	IK10
Maximum elevation	≤ 2,000 m AMSL
Power dissipation	14 W

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	CONFCAB
RFID card	E017869, 5 pcs
Multi-purpose installation tester	TE001
Vehicle simulation adapter	TE002
see website at **www.ablmobility.de**	

Dimensioned drawing