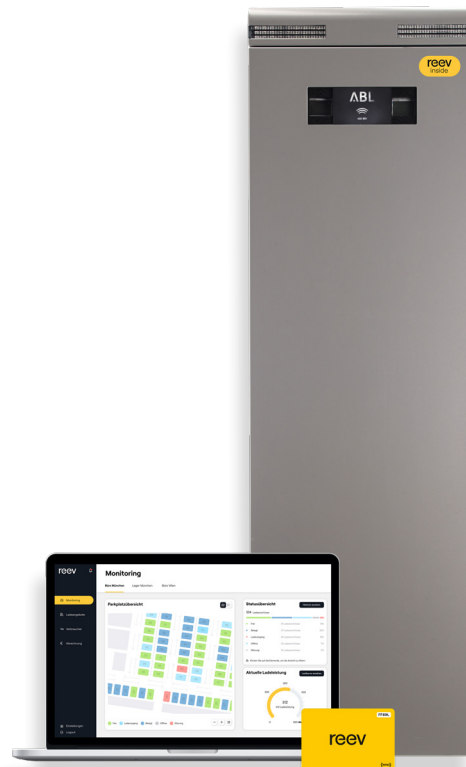


CHARGING POLE eMC3 CONTROLLER+ WITH CHARGING SOCKETS & reev Dashboard Pro 44 kW

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 group installations, the controller charging pole takes care of all necessary communication functions with the reev Dashboard. The included 24-month reev Backend Pro licence enables future-proof operation, regular software updates, as well as easy monitoring and management for automated monthly invoicing for employees, customers and visitors. 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 charging pole eMC3 with reev Backend Pro is 'Made in Germany' and offers the highest safety standards available.



General information

Model	eMC3
Product number	3P4435P
Item number (EAN)	4011721182476
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, reev user onboarding letter

Input/mains supply

External power supply	for supply cable sizes up to 5 x 70 mm ² , 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	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	Contacting 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
Backend communication	LAN, LTE, OCPP 1.6

Standards/guidelines

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

Software/Backend

Access control	Unlimited driver and vehicle access rights allocated via RFID cards
Smartphone app for drivers	Entering payment and invoicing details, accessing transaction histories, available for Android and iOS
Management & monitoring	Simple and user-friendly administration of EV charging infrastructure via the reev online Dashboard
Analytics	Clear visual representations of charging procedure and consumer behaviour analyses
Public EV charging applications	Easy access for visitors and incidental charging via QR code or EV charging card; ad hoc invoicing via credit card, Apple Pay, Google Pay or eRoaming
EV charging with consumption monitoring	Cost monitoring for company cars and fleet vehicles, exporting charging histories
EV charging for registered drivers	Automated monthly invoicing via credit card for access via RFID card, individual tariff setting for different user groups
Software updates	Automatic and free software updates

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 (complies with class II requirements)
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

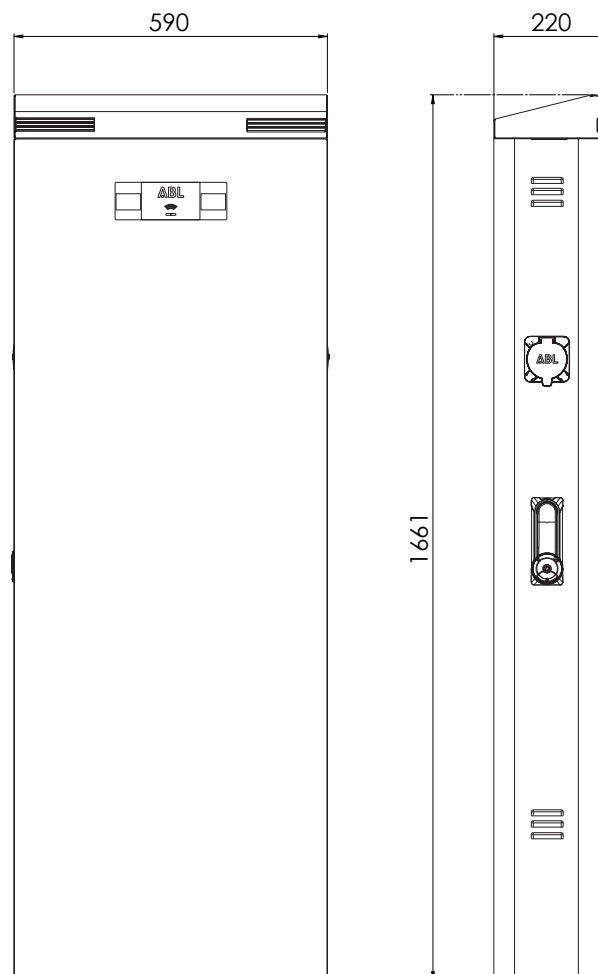
Housing

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

Dimensioned drawing



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

ABL SURSUM
Bayerische Elektrozubehör GmbH & Co. KG

Albert-Büttner-Straße 11
D-91207 Lauf / Pegnitz

Phone +49 (0) 9123 188-0
Fax +49 (0) 9123 188-188

info@abl.de
www.ablmobility.de

reev
by emonvia GmbH

Theo-Prosel-Weg
D-80797 München

Phone +49 (0) 89 215 389 70

sales@reev.com
www.reev.com