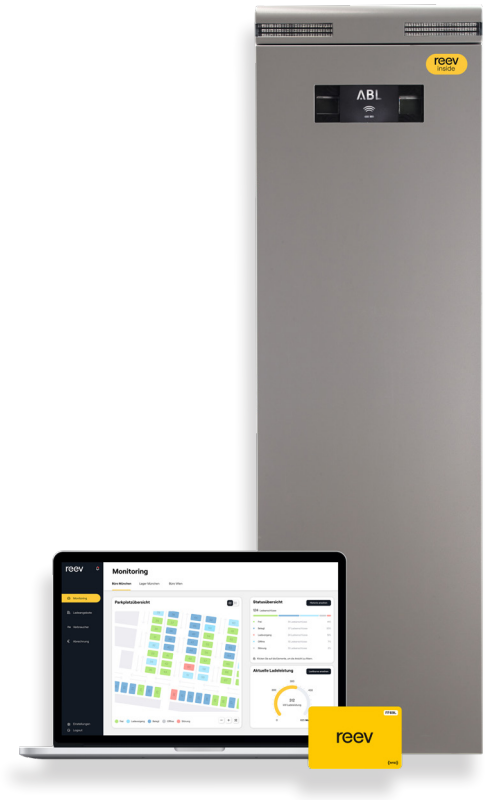
CHARGING POLE eMC2

CONTROLLER WITH CHARGING SOCKETS & reev Dashboard Compact

44 kW

The charging pole eMC2 has two integrated Type 2 charging sockets. Thanks to its ability to charge two vehicles simultaneously, and its intelligent reev Dashboard Compact, it is the ideal solution for companies and apartment buildings. In group installations, the controller charging pole takes care of all necessary communication functions with the reev Dashboard. The included 24-month reev Dashboard Compact licence enables future-proof operation, regular software updates, as well as easy monitoring and management. The Dashboard can also be upgraded at any time. Due to the applicable calibration law, only in-house invoicing for companies is available in Germany. Retrofitting is not possible. With a Type A residual current circuit breaker (RCCB) and DC fault current detection integrated as standard, the charging pole with Dashboard is pre-installed and ready for connection by the installing technician and for immediate use. The charging pole eMC2 with Dashboard Compact is 'Made in Germany' and offers the highest safety standards available.



General information

Model	eMC2
Product number	2P4445C
Item number (EAN)	4011721183114
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, 2 reev RFID cards, 2 reev QR codes, SIM card, reev onboarding letter

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

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

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 A, 30 mA
DC fault current detection	electronic, $I_{\Delta n\ d.c.} \geq 6$ 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 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

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 networks across several sites via the online dashboard
Analytics	Clear visual representations of charging procedure and consumer behaviour analyses
EV charging with consumption monitoring	Cost monitoring for company cars and fleet vehicles, exporting charging histories
Software updates	Automatic and free software updates

Standards/guidelines

IEC 61851-1
IEC 61439-7 ACSEV

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

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	Powder coated RAL9005
Cover/roof colour	Powder coated DB701
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

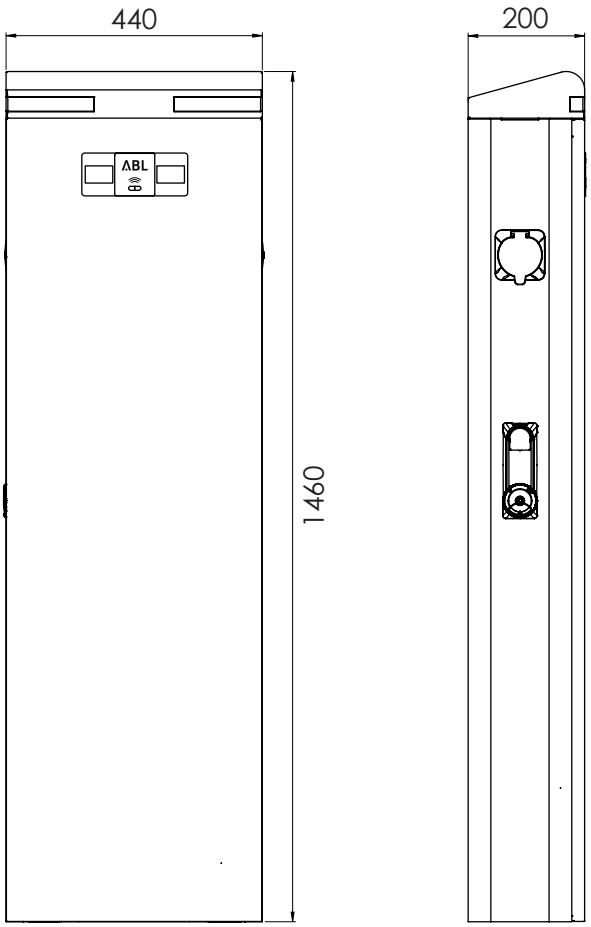
Accessories

Type 2 charging cable	LAK32A3, 32 A 240/415 V, length approx. 4 m
Type 2 charging cable	LAK32A3, 32 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	EMC9998
Plinth 100 mm	EMC9997
Configuration kit	CONFCAB
RFID card	E017869, 5 pcs
Multi-purpose installation tester	TE001
Vehicle simulation adapter	TE002
see website at **www.ablmobility.de**	

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

Dimensioned drawing



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