

# CHARGING POLE eMC3

## MASTER+ WITH CHARGING SOCKETS

### 44 kW

With its attractive and extremely weatherproof, powder coated metal housing, the weights and measures legislation compliant charging pole eMC3 is the ideal solution for public applications. The 3P4435 has two Type 2 charging sockets with a charging output of up to 22 kW per charge point. For access control, the internal RFID module of the charging pole can be activated at any time via software. Two MID compliant energy meters enable invoicing by kilowatt-hour. Backend communication via OCCP for electrical energy consumption accounting is already integrated. The charging pole is pre-configured for use as a Master+ unit. The Master/Slave configuration is suitable for group installations that include invoicing via backend.



## General information

Model	eMC3
Model number	3P4435
Item number (EAN)	4011721182506
Commodity code	85371091
Packaging unit (PU)	1 unit
Packaging (dimensions LxWxH)	Shipped in carton on disposable pallet, 1,790 × 670 × 470 mm
Components included	Charging pole, printed instruction manual, installation kit

## Input/mains supply

External power supply	for supply cable sizes up to 5 × 70 mm <sup>2</sup> , 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	Contactor welding trips RCD
Temperature monitoring	internal, charging current reduction or shut down
Lightning and overvoltage protection	Type 1 + Type 2 combined arrester
Shut down (Standby)	all poles

## Charging monitor/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
Master/Slave communication	RS485
Backend communication	LTE - OCPP 1.6 and 1.5, transport via SOAP or WebSockets

## 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 in acc. with DIN EN 61851-1 -30 to 50°C with integrated derating function
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

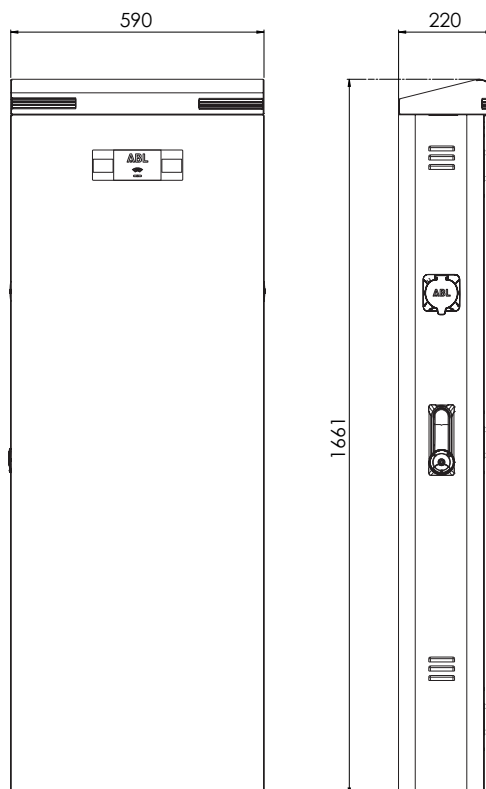
## Housing

Type	Mounting pole
Fixing type	Screw fixings for installation on prefabricated concrete foundation (with or without plinth, both available separately)
Material (housing/cover)	Steel
Housing color	Powder coated DB703
Cover color	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 AC, length approx. 4 m
Prefabricated foundation	EMC9999
Plinth 160 mm	EMC9996
Plinth 100 mm	EMC9994
RFID card	E017869, 5 pcs
see website at <a href="http://www.ablmobility.de">www.ablmobility.de</a>	

## Dimensioned drawing



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