

CHARGING POLE eMC2

SMART

WITH CHARGING SOCKETS

44 kW

With its attractive, extremely weatherproof, powder coated metal housing, the eMC2 charging pole is the ideal solution for public applications. The eMC2 has two Type 2 charging sockets with a charging capacity of up to 22 kW per charging point. Thanks to RFID controlled access via an internal GSM module and OCCP the eMC2 is the perfect solution for efficient and user platform controlled EV charging. The eMC2 features two integrated energy meters for accurate power consumption monitoring. The charging pole is designed as a master unit and can be used to control a slave charging pole. The master-slave system is suitable for group solutions that are billed via a back end system.



General information

Model	eMC2
Part number	EMC445K
Item number (EAN)	4011721170800
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	eMC2 charging pole, instruction manual

Input/Supply

Power supply	for supply cable sizes up to 5 x 70 mm ²
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Back-up fuse	63 A
Domestic junction box	up to 70 mm ²

Output/vehicle connection

Connection system	Lockable Type 2 charging socket, 32 A, in acc. with IEC62196-2; 2 pcs.
Output voltage	230 / 400 V
Max. charging current	32 A per socket
Maximum output	22 kW per socket
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

Protection/integrated components

Type 2 MCB	32 A, 3-pole, C characteristic, 2 pcs.
Type 2 RCCB	RCCB, Type B, 30 mA, 2 pcs.
DC fault current detection	-
Energy meter	M-Bus (MID compliant), 2 pcs.
Type 2 installation contactor	4-pole
Lightning protection module	integrated

Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available or in use)
Operating status indicator	LED (stand-by, EV detected, charging)
Firmware indicator	LED (flashes on startup)
Fault indicator	LED (various flash patterns)
Interface	RS485
Access control	RFID MIFARE, SMS via backend
Communication	GSM, OCPP 1.5

Standards/Directives

IEC 61851-1 Ed 2.0:2010

Operating conditions

Storage temperature	-30°C to 85°C
Operating temperature	-30°C to 50°C
Relative humidity	5 to 95%, no condensation
Class of protection	I
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	Powder coated DB703
Material (cover)	Steel
Cover color	Powder coated DB701
Locking mechanism	Grip handle, prepared for the installation of a profile cylinder lock
Pole dimensions (HxWxD)	1,460 x 440 x 200 mm
Weight	ca. 44 kg

Optional accessories

Type 2 charging cable	LAK32A3, 32 A 240/415 V AC, length approx. 4 m
Type 2 charging cable	LAKC222, 20 A 240/415 V AC, length approx. 7 m
Type 2 to Type 1 adapter cable	LAKK2K1, 32 A 230 V AC, length approx. 4 m
Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997

Dimensioned drawing

