

CHARGING POLE eMC3

WITH CHARGING SOCKETS

44 kW

With its attractive, extremely weatherproof and powder coated metal housing and the pre-installed house connection box, the eMC3 charging pole is the ideal solution for public installations. The eMC3 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 eMC3 is the perfect solution for efficient and user platform controlled EV charging. Two MID-conform meters and hardware components which correspond to the German "Eichrecht" enable invoices according to kilowatt-hours. The charging pole was developed specifically for public applications and in compliance with the VDE-AR-N 4101 regulation.



General information

Model	eMC3
Part number	3P4412
Item number (EAN)	-
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	EMC3 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
Terminal block	NH00 63 A of max. 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	2 x 32 A
Maximum output	2 x 22 kW
Shut down (Standby)	all poles
Load management	-
Unlocking module	automatically unlocks the charging socket in case of a power failure

Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	RCCB, Type B, 30 mA, 2 pcs.
DC fault current detection	-
Energy meter	Modbus (MID compliant), corresponding to the German "Eichrecht", 2 pcs.
Installation contactor	4-pole
DEM	DEM terminal module, 2 pcs.
Upstream meter fuse	35 A, 2 pcs.
Lightning protection	10/350 8/20 lightning and surge protector, 1 pc.

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	II
Overvoltage category	III
Pollution degree	3
Degree of protection (housing)	IP44
Power dissipation	n/a

Enclosure

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)	1,661 x 590 x 220 mm
Weight	ca. 90 kg

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
Plinth	EMC9996

Dimensioned drawing

