

eMC3 CHARGING POLE

44 kW

With its attractive, extremely weatherproof, powder coated metal housing and pre-installed domestic junction box, the eMC3 charging pole is the ideal solution for public applications. The eMC3 offers two Type 2 charging sockets with a charging capacity of 22 kW each. 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. The charging pole was developed specifically for public applications and in compliance with the VDE-AR-N 4101 regulation.



General information

Model	eMC3
Model number	3P4400
Item number (EAN)	4011721171593
Commodity code	85371091
Packaging unit (PU)	1 unit
Includes	EMC3 charging pole, instruction manual

Input/electricity supply

Grid connection	for supply cable sizes of max. 5 x 70 mm ²
Rated voltage	230 / 400 V
Rated current	63 A
Rated frequency	50 Hz
Upstream fuse	63 A
Terminal block	NH00 63 A up to max. 70 mm ²

Output/vehicle connection

Connection system	Lockable Type 2, 32 A charging socket 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	-
Release module	automatically releases the charging socket in case of a power failure

Protection/integrated components

MCB	32 A, 3-pole, C characteristic, 2 pcs.
RCCB	Type B, 30 mA RCCB, 2 pcs.
DC fault current detection	-
Energy meter	Modbus (MID approved), 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.

Charging monitor/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1 Mode 3
Status display	LED (available/in use)
Operating status indicator	LED (standby, 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/guidelines

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
Degree of pollution	3
Degree of protection (housing)	IP44
Power dissipation	no data

Housing

Type	Mounting pole
Fixing type	Screw fixings to pre-fabricated foundation (foundation not included)
Material (housing)	Steel
Housing color	DB703, powder coated
Material (cover)	Steel
Cover color	DB703, powder coated
Locking mechanism	Swing 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
Adapter cable	LAKK2K1
Prefabricated foundation	EMC9999
Plinth	EMC9996

Dimensioned drawing

