ABL

CHARGING POLE eMC2
22 kW

With its extremely weatherproof, powder coated metal housing, the eMC2 charging pole is the ideal solution for semi-public and industrial applications. The eMC2 has two Type 2 charging sockets with a charging capacity of up to 11 kW per charging point. Charging access is controlled via RFID.

Of course, the eMC2 comes with our DC fault current detection installed as standard. The internal load management module distributes the available load current equally between both charging points. With a choice of separately available charging cables (Type 2 to Type 2, Type 2 to Type 1), the system offers flexible charging of various types of electric vehicles. The optional prefabricated foundation minimizes onsite technical requirements and installation time.

General information

Model	eMC2
Part number	2P2203
Item number (EAN)	-
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 mm²
Rated voltage	230 / 400 V
Rated current	32 A
Rated frequency	50 Hz
Back-up fuse	32 A
Terminal block	up to 70 mm²

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	internal, 1 x 22 kW or 2 x 11 kW
Unlocking module	automatically unlocks the charging socket in case of a power failure

Protection/integrated components

MCB	32 A, 4-pole, C characteristic, 2 pcs.
RCCB	FI-RCCB, Type A, 30 mA, 2 pcs.
DC fault current detection	electronic, $I_{\Delta n\ d.c.} \geq 6$ mA
Installation contactor	4-pole

Charge control/status indicators

Charge controller	EVCC, 2 pcs.
Communication	in acc. with IEC 61851-1, Mode 3
Status display	LED (available, in use, idle mode)
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
Communication	-

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

Accessories

Type 2 charging cable	LAK32A3
Adapter cable	LAKK2K1
Prefabricated foundation	EMC9999
Pedestal, long	EMC9998
Pedestal, short	EMC9997
Lightning protection module	optional

Dimensioned drawing