

AC charging controller - EV-CC-AC1-M3-CBC-SER-HS-MSTB - 1081341


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The EV-CC-AC1-M3-CBC-SER-HS-MSTB charging controller with housing for DIN rail mounting and plug-in connection technology is used to charge electric vehicles on the 3-phase AC power grid in accordance with IEC 61851-1, mode 3. All charging functions, comprehensive configuration settings, and a locking control are already integrated.



Key Commercial Data

Packing unit	1
GTIN	 4 055626 809410
GTIN	4055626809410
Custom tariff number	85371098

Technical data

Product definition

Type	in housing
Application	AC charging controller for private and commercial applications (EU/CN)
Standards/regulations	IEC 61851-1
	GB/T 18487.1-2015
	SAE J1772
Charging mode	Mode 3, Case B + C
Number of supported charging points	1
Locking release in the event of mains failure	Integrated release function of the locking actuator for disconnection of Infrastructure Plug and Infrastructure Socket Outlet
Note on the connection method	with MSTB connection
Conformance	CE-compliant

Dimensions

Height	128 mm
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Dimensions

Width	124 mm
Depth	67.00 mm

Ambient conditions

Ambient temperature (operation)	-35 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	30 % ... 95 %
Degree of protection	IP20

Inputs

Number of digital inputs	5
Frequency range	50 Hz ... 60 Hz
Nominal power consumption	< 0.5 W (No-load)
Nominal current I_N	≤ 1 mA
Nominal input voltage U_N	12 V
Input voltage range U1	0 V ... 3 V (Off)
Input voltage range U2	9 V ... 15 V (On)

RS-485 data interfaces

Number of interfaces	1
Bus system	RS-485
Connection method	Pluggable spring-cage terminal blocks
Transmission speed	9.6 kbps (Standard) 9.6 kbps ... 19.2 kbps (adjustable)
Data flow control/protocols	Modbus/RTU (slave)

Connection data

Connection method	Pluggable spring-cage terminal blocks
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross section solid	0.2 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 16

Device supply

Supply voltage	230 V
Supply voltage range	100 V AC ... 240 V AC (nominal voltage range)
Max. current consumption	40 mA
Nominal power consumption	< 1 W (No-load)
Frequency range	50 Hz ... 60 Hz

Mounting

Mounting position	any
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Classifications

eCl@ss

eCl@ss 10.0.1	27144703
eCl@ss 9.0	27144703

ETIM

ETIM 6.0	EC002889
ETIM 7.0	EC002889

Accessories

Accessories

Infrastructure socket outlet

Socket Outlet - EV-T2M3SE12-3AC32A-0,7M6,0E10 - 1405214



Socket Outlet, Rear protective cover screw connection, For charging electric vehicles (EV) with alternating current (AC), Compatible with infrastructure charging plugs, Type 2, IEC 62196-2, 32 A / 480 V (AC), Single wires, length: 0.7 m, Locking actuator: 12 V, 4-position, Rear panel mounting, Generation 1, "PHOENIX CONTACT" logo

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Power meter

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Accessories

Measuring instrument - EEM-EM357 - 2908588



Three-phase power meter for active power measurement with direct measurement in networks of up to 500 V / 80 A, with S0 output, with digital input and RS-485 interface, certified in accordance with the MID directive

Residual current monitoring module

Differential current monitoring - EV-RCM-C1-AC30-DC6 - 1622450



The residual current module is used for AC and DC residual current detection in AC charging points. The higher-level safety equipment (e.g., residual current circuit breaker) is protected against potential DC residual currents. A 1 or 2-channel product version is available.

Differential current monitoring - EV-RCM-C2-AC30-DC6 - 1622451



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