AC charging controller - EV-CC-AC1-M3-CC-SER-HS - 1622459

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The EV-CC-AC1-M3-CBC-SER-HS charging controller with housing for DIN rail mounting is used for charging electric vehicles at 3-phase AC networks according to IEC 61851-1, Mode 3. Optimized for charging stations with permanently mounted Vehicle Connector. All charging functions and comprehensive configuration settings are already integrated.

Key Commercial Data

Packing unit	1 STK
GTIN	4 055626 040615
GTIN	4055626040615
Weight per Piece (excluding packing)	360.000 g
Custom tariff number	85371098
Country of origin	Germany

Technical data

Product definition

Product type	AC charging controller for private and commercial applications (EU/CN)
Type	in housing
Standards/regulations	IEC 61851-1
	GB/T 18487.1-2015
	SAE J1772
Charging mode	Mode 3, Case C
Conformance	CE-compliant

Dimensions

Height	128 mm
Width	124 mm
Depth	64.00 mm

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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)

Switching outputs

Control of charging contactor	Relay output $C_{1.2}$
Minimum switching capacity	1500 VA
Maximum switching voltage	250 V AC (External supply)
Max. switching current	6 A

Digital outputs

Control of additional functions	4 digital outputs
Connection technology	Screw connection
Maximum output voltage	30 V
Maximum output current	0.5 A (Total current for all outputs; internally supplied)
	0.6 A (Per output; externally supplied)

Data interfaces

RS-485 interface	RS-485 2-wire
Bus system	RS-485
Number of interfaces	1
Connection method	Screw connection
Transmission speed	9.6 kbps (Standard)
Transmission speed range	9.6 kbps ... 19.2 kbps (adjustable)
Data flow control/protocols	Modbus/RTU (slave)

Connection data

Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section solid min.	0.2 mm²

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Connection data

Conductor cross section solid max.	4 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12
Connection method	Screw connection

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

Classifications

eCl@ss

eCl@ss 4.0	27210902
eCl@ss 4.1	27371105
eCl@ss 5.0	27371801
eCl@ss 5.1	27371810
eCl@ss 6.0	27371810
eCl@ss 7.0	27371810
eCl@ss 8.0	27242207
eCl@ss 9.0	27144703

ETIM

ETIM 3.0	EC001505
ETIM 4.0	EC001599
ETIM 5.0	EC001413
ETIM 6.0	EC002889

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121535
UNSPSC 11	39121535
UNSPSC 12.01	39121535
UNSPSC 13.2	39121801

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Accessories

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AC charging cable

AC charging cable - EV-T2G3C-3AC32A-5,0M6,0ESBK01 - 1627355

AC charging cable with Vehicle Connector, open cable end, with protective cap, Type 2, IEC 62196-2, 32 A / 480 V (AC), Design line C-Line, Cable: 5 m, black, straight, Mating face: black, Handle area: gray

License

Software dongle - USB-DONGLE-EV-EMOB - 1627632

USB dongle with license for PCs for controlling the AC charging current in charging stations for E-Mobility (EVSE)

Parameterization memory

Program / configuration memory - SD-FLASH-2GB-EV-EMOB - 1624092

Program and configuration memory for storing the application program and other files in the file system of the PLC, plug-in, 2 GB with license key for the function block libraries for E-Mobility

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.

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Accessories

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

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.