

EV-CC-AC1-M3-CBC-SER-PCB-MSTB - AC charging controller



1627353

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The EV-CC-AC1-M3-CBC-SER-PCB-MSTB charging controller as a PCB for charging electric vehicles according to IEC 61851-1, Mode 3, Case B (Socket Outlet) or C (Vehicle Connector). Connection via PCB connector on header.

Commercial data

Item number	1627353
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBRAA
GTIN	4055626342986
Weight per piece (including packing)	239.6 g
Weight per piece (excluding packing)	229.8 g
Country of origin	DE

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Technical data

Product properties

Product type	AC charging controller
Product family	CHARX control basic
Charging mode	Mode 3, Case B + C
Operating mode	Stand-Alone Client
Modem for communication present	no
Number of charging points	1

Electrical properties

Type of charging current	AC
Note on the connection method	with MSTB connection

Input data

Digital

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 U_1	0 V ... 3 V (Off)
Input voltage range U_2	9 V ... 15 V (On)

Output data

Digital

Output name	4 digital outputs
Connection technology	Push-in 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)

Switching

Output name	Relay output $C_{1,2}$
Minimum switching power	1500 VA
Maximum switching voltage	250 V AC (External supply)
Max. switching current	6 A

Switching

Output name	Relay output LO+/-
Minimum switching power	24 VA

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Maximum switching voltage	12 V (Internal supply)
Max. switching current	2 A

Connection data

Conductor cross-section rigid	0.2 mm ² ... 1.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 16

Interfaces

Interface	RS-485
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RS-485

Interface	RS-485 2-wire
Bus system	RS-485
Connection method	Pluggable spring-cage terminal blocks
Number of interfaces	1
Transmission speed range	9.6 kbps ... 19.2 kbps (adjustable)

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Standards

Standards/regulations	IEC 61851-1
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Mounting

Mounting type	PCB mounting
Mounting position	any

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Classifications

ECLASS

ECLASS-13.0	27144703
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ETIM

ETIM 9.0	EC002889
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UNSPSC

UNSPSC 21.0	39121800
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

China RoHS

Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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