

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

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



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Technical data

Product properties

Product type	AC charging controller
Product family	CHARX control basic
Application	AC charging controller for private and commercial applications (EU/CN)
Operating mode	Stand-Alone Client
Locking release in the event of mains failure	Integrated release function of the locking actuator for disconnection of Infrastructure Plug and Infrastructure Socket Outlet
Number of charging points	1
Charging mode	Mode 3, Case B + C

System properties

Charging controllers

Number of charging points	1
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Electrical properties

Type of charging current	AC
Current consumption	< 1 W
Note on the connection method	with MSTB connection
Locking release in the event of mains failure	Integrated release function of the locking actuator for disconnection of Infrastructure Plug and Infrastructure Socket Outlet

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

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 U1	0 V ... 3 V (Off)
Input voltage range U2	9 V ... 15 V (On)

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

Connection data

Conductor connection

Connection method	Pluggable spring-cage terminal blocks
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	9.6 kbps (Standard)
Transmission speed range	9.6 kbps ... 19.2 kbps (adjustable)
Data flow control/protocols	Modbus/RTU (slave)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
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Ambient temperature (operation)	-35 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	30 % ... 95 %

Approvals

Conformity/Approvals

Conformance	CE-compliant
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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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