

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



1627353

<https://www.phoenixcontact.com/us/products/1627353>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



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



1627353

<https://www.phoenixcontact.com/us/products/1627353>

## 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 $I_N$	$\leq 1$ 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)

### 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 <sub>1,2</sub>
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

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



1627353

<https://www.phoenixcontact.com/us/products/1627353>

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

## Connection data

Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 16

## Interfaces

Interface	RS-485
-----------	--------

### 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
-----------------------	-------------

## Mounting

Mounting type	PCB mounting
Mounting position	any

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



1627353

<https://www.phoenixcontact.com/us/products/1627353>

## Classifications

### ECLASS

ECLASS-13.0	27144703
-------------	----------

### ETIM

ETIM 9.0	EC002889
----------	----------

### UNSPSC

UNSPSC 21.0	39121800
-------------	----------

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



1627353

<https://www.phoenixcontact.com/us/products/1627353>

## 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)
-------------------------------------	----------------------

Phoenix Contact 2026 © - all rights reserved  
<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)