

EV-CC-AC1-M3-CC-SER-PCB-XC - AC charging controller

1628394

<https://www.phoenixcontact.com/us/products/1628394>

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-CC-SER-PCB charging controller as a PCB for charging electric vehicles on a 3-phase AC power grid 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.

Commercial data

Item number	1628394
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBRAA
GTIN	4055626448022
Weight per piece (including packing)	211.9 g
Weight per piece (excluding packing)	210 g
Country of origin	DE

EV-CC-AC1-M3-CC-SER-PCB-XC - AC charging controller



1628394

<https://www.phoenixcontact.com/us/products/1628394>

Technical data

Product properties

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

Electrical properties

Type of charging current	AC
--------------------------	----

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	0 V ... 3 V (Off) 9 V ... 15 V (On)

Output data

Digital

Output name	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)

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

Connection data

Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

EV-CC-AC1-M3-CC-SER-PCB-XC - AC charging controller



1628394

<https://www.phoenixcontact.com/us/products/1628394>

Interfaces

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

RS-485

Interface	RS-485 2-wire
Bus system	RS-485
Connection method	Screw connection
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-CC-SER-PCB-XC - AC charging controller



1628394

<https://www.phoenixcontact.com/us/products/1628394>

Classifications

ECLASS

ECLASS-13.0	27144703
ECLASS-15.0	27144703

ETIM

ETIM 10.0	EC002889
-----------	----------

UNSPSC

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

EV-CC-AC1-M3-CC-SER-PCB-XC - AC charging controller



1628394

<https://www.phoenixcontact.com/us/products/1628394>

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)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)

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