

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



1622459

<https://www.phoenixcontact.com/us/products/1622459>

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-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.

Commercial data

Item number	1622459
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	EM01
Product key	XWBBAA
Catalog page	Page 63 (C-7-2019)
GTIN	4055626040615
Weight per piece (including packing)	357.8 g
Weight per piece (excluding packing)	357.8 g
Customs tariff number	85371098
Country of origin	DE

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



1622459

<https://www.phoenixcontact.com/us/products/1622459>

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
Charging mode	Mode 3, Case C

Data management status

Article revision	08
------------------	----

System properties

Charging controllers

Number of charging points	1
---------------------------	---

Electrical properties

Type of charging current	AC
Current consumption	< 1 W

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)

Output data

Digital

Output name	4 digital outputs
Connection technology	Screw connection

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



1622459

<https://www.phoenixcontact.com/us/products/1622459>

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 capacity	1500 VA
Maximum switching voltage	250 V AC (External supply)
Max. switching current	6 A

Connection data

Conductor connection

Connection method	Screw connection
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

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	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	IP20
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
-------------	--------------

Standards and regulations

Standards

Standards/regulations	IEC 61851-1
-----------------------	-------------

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



1622459

<https://www.phoenixcontact.com/us/products/1622459>

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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



1622459

<https://www.phoenixcontact.com/us/products/1622459>

Classifications

ECLASS

ECLASS-11.0	27144703
ECLASS-12.0	27144703
ECLASS-13.0	27144703

ETIM

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

UNSPSC

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

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)