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

1622460

https://www.phoenixcontact.com/pc/products/1622460

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	1622460
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	XWBBAA
GTIN	4055626039763
Weight per piece (including packing)	272 g
Weight per piece (excluding packing)	272 g
Customs tariff number	85371098
Country of origin	DE

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 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
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 mm² ... 4 mm²
Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
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 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

Classifications

ECLASS

ECLASS-15.0	27144703
ECLASS-13.0	27144703

ETIM

ETIM 10.0	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)
	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol(CAS: 79-94-7)

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

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com