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



#### 1622459

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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

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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
Charging mode	Mode 3, Case C

### 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

0	
Number of digital inputs	5
Frequency range	50 Hz 60 Hz
Nominal power consumption	< 0.5 W (No-load)
Nominal current I <sub>N</sub>	≤ 1 mA
Nominal input voltage U <sub>N</sub>	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)

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Switching	
Output name	Relay output C <sub>1.2</sub>
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 <sup>2</sup> 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> 2.5 mm <sup>2</sup>
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			

### Mounting

5	
Mounting type	DIN rail mounting
Mounting position	any



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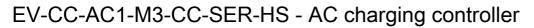
## Classifications

### ECLASS

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

### ETIM

	ETIM 9.0	EC002889	
UNSPSC			
	UNSPSC 21.0	39121800	





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### Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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