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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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AC charging controller - EV-CC-AC1-M3-CC-SER-PCB - 1622460

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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.



Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4055626039763

Technical data

Product definition

Product type	AC charging controller for private and commercial applications (EU/CN)
Type	as uncoated PCB
Standards/regulations	IEC 61851-1
	GB/T 18487.1-2015
	SAE J1772
Charging mode	Mode 3, Case C
Conformance	CE-compliant

Dimensions

Height	108 mm
Width	120 mm
Depth	20.00 mm

Ambient conditions

Ambient temperature (operation)	-35 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	30 % ... 95 %
Degree of protection	IP00

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Technical data

Inputs

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)

Switching outputs

Control of charging contactor	Relay output C _{1,2}
Minimum switching capacity	1500 VA
Maximum switching voltage	250 V AC (External supply)
Max. switching current	6 A

Digital outputs

Control of additional functions	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)

Data interfaces

RS-485 interface	RS-485 2-wire
Bus system	RS-485
Number of interfaces	1
Connection method	Screw connection
Transmission speed	9.6 kbps (Standard)
	9.6 kbps ... 19.2 kbps (adjustable)
Protocol	Modbus/RTU (slave)

Connection data

Connection method	Screw connection
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	12

Device supply

Supply voltage	230 V
Supply voltage range	100 V AC ... 240 V AC (nominal voltage range)
Max. current consumption	40 mA

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Device supply

Nominal power consumption	< 1 W (No-load)
Frequency range	50 Hz ... 60 Hz

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 10;
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

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