

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



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 1 |
| GTIN | 4055626040615 |

Technical data

Product definition

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

Dimensions

| | |
|--------|----------|
| Height | 128 mm |
| Width | 124 mm |
| Depth | 64.00 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 | IP20 |

Inputs

| | |
|---------------------------|-------------------|
| Number of digital inputs | 5 |
| Frequency range | 50 Hz ... 60 Hz |
| Nominal power consumption | < 0.5 W (No-load) |

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Technical data

Inputs

| | |
|-----------------------------|-------------------|
| 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) |
| Maximum output current | 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) |
| Transmission speed range | 9.6 kbps ... 19.2 kbps (adjustable) |
| Data flow control/protocols | Modbus/RTU (slave) |

Connection data

| | |
|---------------------------------------|---------------------|
| 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 |
| Connection method | Screw connection |

Device 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 |

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Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27210902 |
| eCl@ss 4.1 | 27371105 |
| eCl@ss 5.0 | 27371801 |
| eCl@ss 5.1 | 27371810 |
| eCl@ss 6.0 | 27371810 |
| eCl@ss 7.0 | 27371810 |
| eCl@ss 8.0 | 27242207 |
| eCl@ss 9.0 | 27144703 |

ETIM

| | |
|----------|----------|
| ETIM 3.0 | EC001505 |
| ETIM 4.0 | EC001599 |
| ETIM 5.0 | EC001413 |
| ETIM 6.0 | EC002889 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121535 |
| UNSPSC 11 | 39121535 |
| UNSPSC 12.01 | 39121535 |
| UNSPSC 13.2 | 39121801 |

Accessories

Evaluation unit

EV-RCM-C1-AC30-DC6 - 1622450



EV-RCM-C2-AC30-DC6 - 1622451



AC charging cable

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Accessories

EV-T2G3C-3AC32A-5,0M6,0ESBK01 - 1627355



Parameterization memory

SD-FLASH-2GB-EV-EMOB - 1624092



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USB-DONGLE-EV-EMOB - 1627632



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