

# Motor controller CMMP-AS-C15-11A-P3-M3

Part number: 3215473

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                                          | Value                                                                                                                                 |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Type of mounting                                                 | On sub-base<br>Screw-clamped                                                                                                          |
| Product weight                                                   | 3450 g                                                                                                                                |
| Display                                                          | 7-segment display                                                                                                                     |
| Approval                                                         | RCM trademark<br>c UL us listed (OL)                                                                                                  |
| CE mark (see declaration of conformity)                          | To EU EMC Directive<br>To EC Machinery Directive<br>To EU Low Voltage Directive<br>In accordance with EU RoHS Directive               |
| CE marking (see declaration of conformity)                       | To UK instructions for EMC<br>To UK regulations for machines<br>To UK RoHS instructions<br>To UK regulations for electrical equipment |
| Storage temperature                                              | -25 °C ... 70 °C                                                                                                                      |
| Ambient temperature                                              | 0 °C ... 40 °C                                                                                                                        |
| Relative air humidity                                            | 0 - 90%                                                                                                                               |
| Degree of protection                                             | IP10<br>IP20                                                                                                                          |
| Pollution degree                                                 | 2                                                                                                                                     |
| Note on materials                                                | RoHS-compliant                                                                                                                        |
| LABS (PWIS) conformity                                           | VDMA24364 zone III                                                                                                                    |
| Phases of nominal operating voltage                              | 3-phase                                                                                                                               |
| Nominal operating voltage AC                                     | 400 V                                                                                                                                 |
| Permissible voltage fluctuations                                 | +/- 10 %                                                                                                                              |
| Mains frequency                                                  | 50 Hz ... 60 Hz                                                                                                                       |
| Nominal current                                                  | 13 A                                                                                                                                  |
| Mains filter                                                     | Integrated                                                                                                                            |
| Max. intermediate circuit voltage DC                             | 560 V                                                                                                                                 |
| Brake resistance                                                 | 68 Ohm                                                                                                                                |
| Pulse power, brake resistance                                    | 8,5 kVA                                                                                                                               |
| Nominal voltage for logic power supply DC                        | 24 V                                                                                                                                  |
| Permissible range for logic voltage                              | ± 20 %                                                                                                                                |
| Current consumption of logic power supply without clamping brake | 1 A                                                                                                                                   |
| Output voltage class AC                                          | 3x 0 - 360 V                                                                                                                          |
| Nominal output current                                           | 15 A                                                                                                                                  |
| Nominal current per phase, effective                             | 15 A                                                                                                                                  |
| Peak current per phase, effective                                | 30 A                                                                                                                                  |

| Feature                                 | Value                                                                                                                  |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Max. peak current duration              | 5 s                                                                                                                    |
| Controller nominal output               | 9000 VA                                                                                                                |
| Maximum output                          | 18000 VA                                                                                                               |
| Output frequency                        | 0 Hz ... 1000 Hz                                                                                                       |
| Parameterisation interface              | Parameterisation and commissioning<br>USB<br>Ethernet                                                                  |
| Fieldbus link                           | CANopen<br>DeviceNet<br>EtherCAT<br>EtherNet/IP<br>Modbus/TCP<br>PROFINET<br>Profibus DP                               |
| Communication profile                   | DS301/DSP402<br>FHPP                                                                                                   |
| Process interfacing                     | I/O coupling<br>For 256 position sets                                                                                  |
| Max. fieldbus transmission rate         | 1 Mbit/s                                                                                                               |
| Bus connection                          | Plugs<br>9-pin<br>Sub-D                                                                                                |
| Encoder interface output, features      | Resolution 16384 ppr                                                                                                   |
| Encoder interface output, function      | Actual value feedback via encoder signals in speed control mode.<br>Setpoint specification for downstream slave drive. |
| Encoder interface input, features       | 3-phase encoder signals<br>EnDat<br>HIPERFACE<br>RS422<br>SINCOS                                                       |
| Encoder interface input, function       | Setpoint speed value as encoder signal<br>Specifies the speed of the slave drive in synchronous mode.                  |
| Number of digital logic inputs          | 10                                                                                                                     |
| Features of logic input                 | Galvanically isolated<br>Freely configurable                                                                           |
| Working range of logic input            | 8 V ... 30 V                                                                                                           |
| Number of digital logic outputs 24 V DC | 5                                                                                                                      |
| Features of digital logic outputs       | Galvanically isolated<br>Freely configurable in some cases                                                             |
| Max. current digital logic outputs      | 100 mA                                                                                                                 |
| Number of analogue setpoint inputs      | 2                                                                                                                      |
| Features of setpoint inputs             | Differential inputs<br>Configurable for speed<br>Configurable for current                                              |
| Working range setpoint input            | ± 10 V                                                                                                                 |
| Impedance of setpoint input             | 20 kOhm                                                                                                                |
| Number of analogue monitor outputs      | 2                                                                                                                      |
| Working range of monitor outputs        | ± 10 V                                                                                                                 |
| Resolution of monitor outputs           | 9 bit                                                                                                                  |
| Features of monitor outputs             | Short-circuit proof                                                                                                    |