

# Motor controller CMMB-AS-02

Part number: 5105642

**FESTO**



## Data sheet

| Feature                                                          | Value                                                                                                |
|------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Type of mounting                                                 | On sub-base<br>Screwed tightly                                                                       |
| Product weight                                                   | 740 g                                                                                                |
| Display                                                          | Seven-segment display                                                                                |
| Certification                                                    | c UL us - Listed (OL)                                                                                |
| CE marking (see declaration of conformity)                       | As per EU EMC directive<br>As per EU low voltage directive<br>As per EU RoHS directive               |
| UKCA marking (see declaration of conformity)                     | To UK instructions for EMC<br>To UK RoHS instructions<br>To UK instructions for electrical equipment |
| Storage temperature                                              | -10 °C...70 °C                                                                                       |
| Ambient temperature                                              | 0 °C...40 °C                                                                                         |
| Relative air humidity                                            | 5 - 95 %                                                                                             |
| Degree of protection                                             | IP20                                                                                                 |
| Contamination level                                              | 2                                                                                                    |
| Note on materials                                                | RoHS-compliant                                                                                       |
| LABS (PWIS) conformity                                           | VDMA24364 zone III                                                                                   |
| Nominal operating voltage phases                                 | 1-phase                                                                                              |
| Nominal operating voltage AC                                     | 230 V                                                                                                |
| Permissible voltage fluctuations                                 | +/- 10 %                                                                                             |
| Input voltage range AC                                           | 200 V...240 V                                                                                        |
| Mains frequency                                                  | 50 Hz...60 Hz                                                                                        |
| Nominal current                                                  | 3 A                                                                                                  |
| Max. DC link voltage                                             | 300 V                                                                                                |
| Braking resistor                                                 | 300 Ohm                                                                                              |
| Braking resistor, external                                       | 75 Ohm                                                                                               |
| Nominal voltage, logic supply DC                                 | 24 V                                                                                                 |
| Permissible range of logic voltage                               | ± 10 %                                                                                               |
| Max. current consumption for logic supply without clamping brake | 0.5 A                                                                                                |
| Output voltage range AC                                          | 3x 0 - 240 V                                                                                         |
| Nominal output current                                           | 3 A                                                                                                  |
| Peak current per phase, effective                                | 7 A                                                                                                  |

| Feature                                   | Value                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------------|
| Max. peak current duration                | 5 s                                                                                  |
| Controller nominal power                  | 200 VA                                                                               |
| Peak power                                | 2100 VA                                                                              |
| Output frequency                          | 0 Hz...400 Hz                                                                        |
| Parameterization interface                | Parameterization and commissioning<br>RS232 (38400 baud)                             |
| Process interfacing                       | Pulse/direction<br>For 32 positioning blocks                                         |
| Encoder interface output, characteristics | Resolution 65536 ppr                                                                 |
| Output encoder interface, function        | Setpoint specification for downstream slave actuator.                                |
| Encoder interface input, characteristics  | Nikon A-format                                                                       |
| Input encoder interface, function         | Encoder signal speed setpoint value.                                                 |
| Number of digital logic inputs            | 7                                                                                    |
| Work range of logic input                 | 12.5 V...30 V                                                                        |
| Number of digital logic outputs 24 V DC   | 5                                                                                    |
| Characteristics of digital logic outputs  | Galvanically isolated<br>Freely configurable in some cases                           |
| Max. current of digital logic outputs     | 100 mA                                                                               |
| Number of analog setpoint inputs          | 2                                                                                    |
| Characteristics of setpoint inputs        | Differential inputs<br>Configurable for rotational speed<br>Configurable for current |
| Work range of setpoint input              | ± 10 V                                                                               |
| Impedance of setpoint input               | 350 kOhm                                                                             |