

Motor controller CMMP-AS-C5-11A-P3-M0

Part number: 1622903

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Type of mounting | On sub-base Screwed tightly |
| Product weight | 3800 g |
| Display | Seven-segment display |
| Certification | RCM compliance mark c UL us - Listed (OL) |
| CE marking (see declaration of conformity) | As per EU EMC directive as per EU machinery directive As per EU RoHS directive |
| UKCA marking (see declaration of conformity) | To UK instructions for EMC To UK instructions for machines To UK RoHS instructions |
| Certificate issuing authority | German Technical Control Board (TÜV) Rheinland 01/205/5262.02/19 TÜV Rheinland UK Ltd. 01/205U/5262.00/22 |
| Storage temperature | -25 °C ... 70 °C |
| Ambient temperature | 0 °C ... 40 °C |
| Relative air humidity | 0 - 90 % |
| Degree of protection | IP10 IP20 |
| Contamination level | 2 |
| Note on materials | RoHS-compliant |
| LABS (PWIS) conformity | VDMA24364 zone III |
| Nominal operating voltage phases | 3-phase |
| Nominal operating voltage AC | 400 V |
| Permissible voltage fluctuations | +/- 10 % |
| Input voltage range AC | 230 V ... 480 V |
| Mains frequency | 50 Hz ... 60 Hz |
| Nominal current | 5.5 A |
| Line filter | Integrated |
| Max. DC link voltage | 560 V |
| Braking resistor | 68 Ohm |
| Pulse power of braking resistor | 8.5 kVA |
| Nominal voltage, logic supply DC | 24 V |
| Permissible range of logic voltage | ± 20 % |
| Max. current consumption for logic supply without clamping brake | 1 A |
| Output voltage range AC | 3x 0 - 360 V |
| Nominal output current | 5 A |
| Nominal current per phase, effective | 5 A |

| Feature | Value |
|---|---|
| Peak current per phase, effective | 15 A |
| Max. peak current duration | 5 s |
| Controller nominal power | 3000 VA |
| Peak power | 6000 VA |
| Output frequency | 0 Hz ... 1000 Hz |
| Parameterization interface | Parameterization and commissioning USB Ethernet |
| Fieldbus coupling | CANopen Modbus®/TCP |
| Communication profile | DS301/DSP402 |
| Process interfacing | I/O coupling For 256 positioning blocks |
| Max. fieldbus transmission rate | 1 Mbit/s |
| Bus connection | Plug 9-pin Sub-D |
| Encoder interface output, characteristics | Resolution 16384 ppr |
| Output encoder interface, function | Actual value feedback via encoder signals in speed control mode. Setpoint specification for downstream slave actuator. |
| Encoder interface input, characteristics | 3-phase encoder signals EnDat® HIPERFACE RS422 SINCOS |
| Input encoder interface, function | Encoder signal speed setpoint value. As speed setting of the slave actuator in synchronous mode. |
| Number of digital logic inputs | 10 |
| Characteristics of logic input | Galvanically isolated Freely configurable |
| Work range of logic input | 8 V ... 30 V |
| Number of digital logic outputs 24 V DC | 5 |
| Characteristics of digital logic outputs | Galvanically isolated 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 Configurable for rotational speed Configurable for current |
| Work range of setpoint input | ± 10 V |
| Impedance of setpoint input | 20 kOhm |
| Number of analog monitor outputs | 2 |
| Working range of monitor outputs | ± 10 V |
| Resolution of monitor outputs | 9 bit |
| Characteristics of monitor outputs | Short circuit-proof |
| Safety function | Safe torque off (STO) Safe stop 1 (SS1) |
| Safety integrity level (SIL) | Safe torque off (STO)/SIL 3/SILCL 3 |
| Performance Level (PL) | Safe torque off (STO)/category 4, performance level e |
| Diagnostic coverage | 97 % |
| SFF safe failure fraction | 99.17 % |
| Hardware fault tolerance | 1 |
| Proof test interval | 20 y |