

# Motor controller CMMP-AS-C2-3A-M3-C1

Part number: 2106332

FESTO

One plug-in module CAMC-DS-M1, CAMC-G-S1 or CAMC-G-S3 is required in order to operate the motor controller CMMP-AS-...-M3.

This product is only available if ordered from the Festo Corporation, USA.



## Data sheet

Feature	Value
Mains filter	Integrated
Display	Seven-segment display
Output frequency	0 ... 1,000 Hz
Output voltage range AC	3x 0 - 270 V
Braking resistance	60 Ohm
Digital logic output characteristics	Electrically isolated Freely configurable to a given extent
Setpoint input impedance	20 kOhm
Braking resistance pulse power	2.8 kVA
Max. current, digital logic outputs	100 mA
Max. peak current duration	5 s
Max. intermediate circuit voltage, DC	320 V
Nominal output current	2.5 A
Nominal operating voltage, AC	230 V
Nominal controller power	500 VA
Nominal DC voltage, logic power supply	24 V
Nominal current	2 ... 3 A
Effective nominal current per phase	2.5 A
Line frequency	50 ... 60 Hz
Parameters configuring interface	Ethernet USB Parameters configuration and commissioning
Nominal operating voltage, phases	Single-phase
Peak power	1,000 VA
Effective peak current per phase	5 A
Current consumption, logic power supply without clamping brake	0.55 A
Degree of contamination	2
Permissible range, logic voltage	± 20 %
Permissible voltage fluctuation	+/- 10 %
CE mark (see declaration of conformity)	to EU directive low-voltage devices to EU directive for machinery to EU directive for EMC
Storage temperature	-25 ... 70 °C
Relative air humidity	0 - 90 %
Protection class	IP20
Ambient temperature	0 ... 40 °C
Authorisation	RCM Mark c UL us - Listed (OL)
Product weight	2,020 g
Number of analogue monitor outputs	2
Number of analogue setpoint inputs	2
Number of 24 V DC digital logic outputs	5

Feature	Value
Number of digital logic inputs	10
Communications profile	DS301/DSP402
Process interface	For 256 position sets I/O coupling
Logic input working range	8 ... 30 V
Monitor output working range	± 10 V
Setpoint input working range	± 10 V
Monitor output resolution	9 Bit
Encoder interface output, characteristics	Resolution 16384 ppr
Encoder interface input, characteristics	3-phase encoding signals RS422 HIPERFACE EnDat SINCOS
Monitor output characteristics	Short-circuit proof
Setpoint input characteristics	Can be configured for current Can be configured for speed in RPM Differential inputs
Logic input characteristics	Electrically isolated Freely configurable
Encoder interface output, function	Setpoint specification for downstream slave drive unit Actual value feedback via encoder signals in speed control mode
Encoder interface input, function	Encoder signal, speed setpoint in RPM In synchronous operation as specified speed in RPM for the slave drive unit
Bus connection	9-pin Plug Sub-D
Fieldbus coupling	CANopen DeviceNet Ethernet EtherNet/IP Profibus DP PROFINET
Max. fieldbus transmission speed	1 Mbit/s
Mounting type	Tightened On sub-base
Materials note	Contains PWIS substances Conforms to RoHS