

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

Part number: 1501325

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.



## Data sheet

Feature	Value
Mounting type	On subbase Tightened
Product weight	2,100 g
Display	Seven-segment display
Authorization	RCM Mark c UL us - Listed (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU machines guideline according to EU low voltage guideline in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for electrical equipment To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Storage temperature	-25 ... 70 °C
Ambient temperature	0 ... 40 °C
Relative air humidity	0 - 90 %
Protection class	IP10 IP20
Degree of contamination	2
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364 zone III
Nominal operating voltage, phases	Single-phase
Nominal operating voltage, AC	230 V
Permissible voltage fluctuation	+/- 10 %
Line frequency	50 ... 60 Hz
Nominal current	2 ... 3 A
Mains filter	Integrated
Max. intermediate circuit voltage, DC	320 V
Braking resistance	60 Ohm
Braking resistance pulse power	2.8 kVA
Nominal DC voltage, logic power supply	24 V
Permissible range, logic voltage	± 20 %
Current consumption, logic power supply without clamping brake	0.55 A
Output voltage range AC	3x 0 - 270 V
Nominal output current	2.5 A
Effective nominal current per phase	2.5 A
Effective peak current per phase	5 A
Max. peak current duration	5 s
Nominal controller power	500 VA
Peak power	1,000 VA
Output frequency	0 ... 1,000 Hz
Parameters configuring interface	Parameters configuration and commissioning

Feature	Value
	USB Ethernet
Fieldbus coupling	CANopen DeviceNet EtherCAT EtherNet/IP Modbus/TCP PROFINET Profibus DP
Communications profile	DS301/DSP402 FHPP
Process interface	I/O coupling For 256 position sets
Max. fieldbus transmission speed	1 Mbit/s
Bus connection	Plug 9-pin Sub-D
Encoder interface output, characteristics	Resolution 16384 ppr
Encoder interface output, function	Actual value feedback via encoder signals in speed control mode Set point specification for downstream slave drive unit
Encoder interface input, characteristics	3-phase encoding signals EnDat HIPERFACE RS422 SINCOS
Encoder interface input, function	Encoder signal, speed set point in RPM In synchronous operation as specified speed in RPM for the slave drive unit
Number of digital logic inputs	10
Logic input characteristics	Electrically isolated Freely configurable
Logic input working range	8 ... 30 V
Number of 24 V DC digital logic outputs	5
Digital logic output characteristics	Electrically isolated Freely configurable to a given extent
Max. current, digital logic outputs	100 mA
Number of analog set point inputs	2
Set point input characteristics	Differential inputs Can be configured for speed in RPM Can be configured for current
Set point input working range	± 10 V
Set point input impedance	20 kOhm
Number of analog monitor outputs	2
Monitor output working range	± 10 V
Monitor output resolution	9 Bit
Monitor output characteristics	Short circuit proof