

# Motor controller CMMP-AS-C5-3A-M0-C1

Part number: 2385041

FESTO

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



## Data sheet

Feature	Value
Active PFC	Yes
Mains filter	Integrated
Safety function	Safe torque off (STO) Safe stop 1 (SS1)
Safety Integrity Level (SIL)	STO / SIL 3 / SILCL 3
Performance level (PL)	Safe Torque off (STO)/Category 4, Performance Level e
Display	Seven-segment display
Output frequency	0 ... 1,000 Hz
Output voltage range AC	3x 0 - 270 V
Braking resistance	60 Ohm
Diagnostic coverage	97.07 %
Digital logic output characteristics	Electrically isolated Freely configurable to a given extent
Hardware fault tolerance	1
Set point 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	5 A
Nominal operating voltage, AC	230 V
Nominal controller power	1,000 VA
Nominal DC voltage, logic power supply	24 V
Nominal current	4 ... 6 A
Effective nominal current per phase	5 A
Line frequency	50 ... 60 Hz
Parameters configuring interface	Ethernet USB Parameters configuration and commissioning
Nominal operating voltage, phases	Single-phase
SFF Safe Failure Fraction	99.17 %
Peak power	2,000 VA
Effective peak current per phase	10 A
Current consumption, logic power supply without clamping brake	0.65 A
Degree of contamination	2
Permissible range, logic voltage	± 20 %
Permissible voltage fluctuation	+/- 10 %
Certificate issuing department	TÜV Rheinland
CE symbol (see declaration of conformity)	according to EU low voltage guideline according to EU machines guideline according to EU-EMV guideline
Storage temperature	-25 ... 70 °C
Relative air humidity	0 - 90 %
Protection class	IP20

<b>Feature</b>	<b>Value</b>
Ambient temperature	0 ... 40 °C
Authorization	RCM Mark c UL us - Listed (OL)
Proof test interval	20 a
Product weight	2,200 g
Number of analog monitor outputs	2
Number of analog set point inputs	2
Number of 24 V DC digital logic outputs	5
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
Set point input working range	± 10 V
Monitor output resolution	9 Bit
Encoder interface output, characteristics	Resolution 16384 ppr
Encoder interface input, characteristics	SINCOS EnDat HIPERFACE RS422 3-phase encoding signals
Monitor output characteristics	Short circuit proof
Set point input characteristics	Can be configured for current Can be configured for speed in RPM Differential inputs
Logic input characteristics	Freely configurable Electrically isolated
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, function	In synchronous operation as specified speed in RPM for the slave drive unit Encoder signal, speed set point in RPM
Bus connection	9-pin Plug Sub-D
Fieldbus coupling	CANopen Ethernet
Max. fieldbus transmission speed	1 Mbit/s
Mounting type	Tightened On subbase
Materials note	Conforms to RoHS Contains PWIS substances