

Motor controller CMMP-AS-C5-3A-M3

Part number: 1501326

FESTO



Data sheet

Feature	Value
Type code	CMMP-AS
Line filter	Integrated
Display	Seven-segment display
Output frequency	0 Hz ... 1000 Hz
Output voltage range AC	3x 0 - 270 V
Braking resistor	60 Ohm
Characteristics of digital logic outputs	Freely configurable in some cases Galvanically isolated
Impedance of setpoint input	20 kOhm
Pulse power of braking resistor	2.8 kVA
Max. current of digital logic outputs	100 mA
Max. peak current duration	5 s
Max. DC link voltage	320 V
Nominal output current	5 A
Nominal operating voltage AC	230 V
Controller nominal power	1000 VA
Nominal voltage, logic supply DC	24 V
Nominal current	4 A ... 6 A
Nominal current per phase, effective	5 A
Mains frequency	50 Hz ... 60 Hz
Parameterization interface	Parameterization and commissioning Ethernet USB
Nominal operating voltage phases	1-phase
Peak power	2000 VA
Peak current per phase, effective	10 A
Max. current consumption for logic supply without clamping brake	0.65 A
Contamination level	2
Permissible range of logic voltage	± 20 %
Permissible voltage fluctuations	+/- 10 %
CE marking (see declaration of conformity)	as per EU machinery directive As per EU EMC directive As per EU low voltage directive
Storage temperature	-25 °C ... 70 °C
Relative air humidity	0 - 90 %
Degree of protection	IP20 IP10

Feature	Value
Ambient temperature	0 °C ... 40 °C
Certification	c UL us - Listed (OL) RCM compliance mark
Product weight	2200 g
Number of analog monitor outputs	2
Number of analog setpoint inputs	2
Number of digital logic outputs 24 V DC	5
Number of digital logic inputs	10
Communication profile	DS301/DSP402 FHPP
Process interfacing	I/O coupling For 256 positioning blocks
Work range of logic input	8 V ... 30 V
Working range of monitor outputs	± 10 V
Work range of setpoint input	± 10 V
Resolution of monitor outputs	9 bit
Encoder interface output, characteristics	Resolution 16384 ppr
Encoder interface input, characteristics	EnDat® HIPERFACE RS422 3-phase encoder signals SINCOS
Characteristics of monitor outputs	Short circuit-proof
Characteristics of setpoint inputs	Configurable for rotational speed Configurable for current Differential inputs
Characteristics of logic input	Freely configurable Galvanically isolated
Output encoder interface, function	Actual value feedback via encoder signals in speed control mode. Setpoint specification for downstream slave actuator.
Input encoder interface, function	As speed setting of the slave actuator in synchronous mode. Encoder signal speed setpoint value.
Bus connection	9-pin Plug Sub-D
Fieldbus coupling	Modbus®/TCP EtherNet/IP CANopen Profibus DP DeviceNet PROFINET EtherCAT
Max. fieldbus transmission rate	1 Mbit/s
Type of mounting	Screwed tightly On sub-base
Note on materials	RoHS-compliant Contains paint-wetting impairment substances