

Motor controller

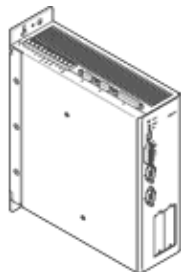
CMMP-AS-C10-11A-P3

Part number: 551024

FESTO

For servo motors.

Type to be discontinued. Available until 2013. See Support Portal for alternative products.



Data sheet

Feature	Value
Mains filter	Integrated
Safety function	Safe Torque off (STO)
Safety Integrity Level (SIL)	Safe torque off (STO)/SIL 2
Performance level (PL)	Safe torque off (STO)/category 3, performance level d
Display	Seven-segment display
Output frequency	0 ... 1,000 Hz
Output voltage range AC	0 - 360 V
Braking resistance	68 Ohm
Digital logic output characteristics	Electrically isolated Freely configurable to a given extent
Braking resistance pulse power	8.5 kVA
Max. current, digital logic outputs	100 mA
Max. peak current duration	3 s
Max. intermediate circuit voltage, DC	560 V
Nominal output current	10 A
Nominal operating voltage, AC	400 V
Nominal controller power	6,000 VA
Nominal DC voltage, logic power supply	24 V
Nominal current	11 A
Line frequency	50 ... 60 Hz
Parameters configuring interface	Parameters configuration and commissioning Control interface (PtP) RS232 (9600...115000 Bits/s)
Nominal operating voltage, phases	Three-phase
Peak power	12,000 VA
Effective peak current per phase	20 A
Current consumption, logic power supply without clamping brake	1 A
Max. current consumption for logic supply, holding brake and I/O	3.5 A
Permissible range, logic voltage	± 20 %
Permissible voltage fluctuation	+/- 10 %
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive for machinery to EU directive low-voltage devices
Storage temperature	-25 ... 70 °C
Relative air humidity	0 - 90 %
Protection class	IP20
Ambient temperature	0 ... 50 °C
Authorisation	C-Tick UL - Listed (OL)
Product weight	3,700 g
Number of analogue monitor outputs	2
Number of analogue setpoint inputs	3

Feature	Value
Number of 24 V DC digital logic outputs	5
Number of digital logic inputs	10
Communications profile	DS301/DSP402 FHPP
Process interface	I/O coupling For 255 positioning records
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	RS422 EnDat 2.2
Monitor output characteristics	Short-circuit proof
Setpoint input characteristics	Differential inputs Can be configured for speed in RPM Can be configured for current
Logic input characteristics	Electrically isolated Freely configurable
Encoder interface output, function	Actual value feedback via encoder signals in speed control mode Setpoint specification for downstream slave drive unit
Encoder interface input, function	Encoder signal, speed setpoint in RPM In synchronous operation as specified speed in RPM for the slave drive unit Setpoint position value as encoder signal
Bus connection	9-pin D-Sub Plug socket
Fieldbus coupling	CANopen DeviceNet Ethernet Profibus DP Sercos
Max. fieldbus transmission speed	1 Mbit/s
Mounting type	on mounting plate Tightened
Materials note	Conforms to RoHS