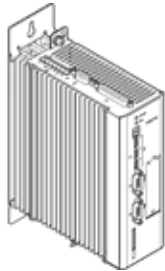


# motor controller CMMS-AS-C4-3A-G2

Part number: 572986  
Product to be discontinued

FESTO

[For servo motors.](#)



## Data sheet

Feature	Value
Active PFC	No
Controller operating mode	Cascade controller with P position controller PI speed controller P current regulator
Mains filter	Integrated
Safety function	Safe torque off (STO)
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 V up to input voltage
Braking resistor, external	100 Ohm
Braking resistor, integrated	230 Ohm
Digital logic output characteristics	Freely configurable to a given extent Not electrically isolated
Setpoint input impedance	20 kOhm
Braking resistance pulse power	0.7 kVA
Max. current, digital logic outputs	100 mA
Max. nominal input current	5 A
Max. length of motor cable without external mains filter	15 m
Max. peak current duration	2 s
Max. intermediate circuit voltage, DC	320 V
Nominal output current	4 A
Nominal operating voltage, AC	230 V
Input voltage range AC	95 ... 250 V
Nominal controller power	600 VA
Nominal DC voltage, logic power supply	24 V
Nominal current	4 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	Single-phase
Peak power	1,200 VA
Peak current	10 A
Surge strength	4 kV
Current consumption, logic power supply without clamping brake	0.35 A
Permissible range, logic voltage	± 20 %
Permissible voltage fluctuation	+/- 10 %
Certificate issuing department	BG MFS 09030
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

<b>Feature</b>	<b>Value</b>
Protection class	IP10 IP20
Ambient temperature	0 ... 50 °C
Note on ambient temperature	Power must be reduced by 4% per °C at ambient temperatures above 40° C.
Authorisation	BIA RCM Mark UL - Listed (OL) c UL - Recognized (OL)
Product weight	1,500 g
Operating range Analogue outputs	0 - 10 V
Number of analogue outputs	1
Number of analogue inputs	1
Number of 24 V DC digital logic outputs	5
Number of digital logic inputs	14
Communications profile	DS301/DSP402 FHPP
Process interface	I/O coupling for 64 position sets
Logic input working range	12 ... 30 V
Operating range Analogue inputs	± 10 V
Resolution of analogue outputs	8 Bit
Encoder interface output, characteristics	Resolution 4096 ppr
Encoder interface input, characteristics	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	galvanically connected to logic potential 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	Setpoint position value as encoder signal
Bus connection	Plug 9-pin Sub-D
Fieldbus coupling	CANopen DeviceNet Profibus DP
Max. fieldbus transmission speed	1 Mbit/s
Mounting type	Mounting plate, bolted
Materials note	Conforms to RoHS