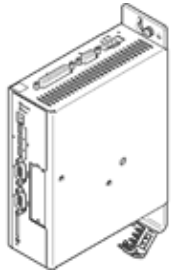


motor controller CMMS-ST-C8-7-G2

Part number: 572211
Product to be discontinued

FESTO

[For stepper motor](#)



Data sheet

Feature	Value
Mounting type	On sub-base Tightened
Product weight	2,000 g
Display	Seven-segment display
Control elements	DIP switches
Authorisation	BIA C-Tick c UL us - Listed (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive for machinery in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Certificate issuing department	BG MFS 09031
Storage temperature	-25 ... 70 °C
Ambient temperature	0 ... 50 °C
Relative air humidity	0 - 90 % non-condensing
Protection class	IP20
Degree of contamination	2
Materials note	Conforms to RoHS
PWIS conformity	VDMA24364-B2-L
Nominal current, load supply	8 A
Peak current, load supply	12 A
Mains filter	Integrated
Nominal voltage, load supply DC	48 V
Max. intermediate circuit voltage, DC	58 V
Braking resistance	17 Ohm
Braking resistance pulse power	0.5 kVA
Nominal DC voltage, logic power supply	24 V
Permissible range, logic voltage	± 20 %
Nominal current, logic supply	0.2 A
Output voltage range AC	0 V up to input voltage
Max. peak current duration	2 s
Output frequency	0 ... 2,000 Hz
Max. length of motor cable without external mains filter	25 m
Controller operating mode	PWM-MOSFET power output stage
Operating mode	Micro step, >4000 step/U
Adjustable current reduction	Using software
Step adjustment	Using software
Protective function	I ² t monitoring Temperature monitoring Current monitoring

Feature	Value
	Voltage failure detection Drag error monitoring
Nominal current adjustment	Using software
Max. step frequency	4 kHz
Parameters configuring interface	RS232 (9600...115000 Bits/s)
Fieldbus coupling	CANopen Profibus DP
Bus connection	Plug 9-pin Sub-D
Bus terminating resistor	Integrated
Rotor position sensor	Encoder
Position sensor	Encoder
Encoder interface output, function	Setpoint specification for downstream slave drive unit
Encoder interface input, characteristics	RS422
Encoder interface input, function	In synchronous operation as specified speed in RPM for the slave drive unit
Digital logic output characteristics	Freely configurable to a given extent Not electrically isolated
Max. current, digital logic outputs	100 mA
Number of analogue setpoint inputs	1
Setpoint input working range	± 10 V
Setpoint input impedance	20 kOhm
Number of analogue monitor outputs	1
Monitor output working range	± 10 V
Safety function	Safe torque off (STO)
Performance level (PL)	Safe torque off (STO)/category 3, performance level d