Motor controller
CMMO-ST-C5-1-DIOP
Part number: 1512316
☆ Core product range

FESTO
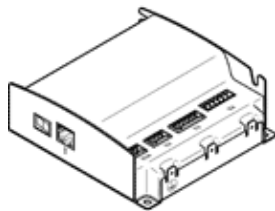
Data sheet

Feature	Value
Mounting type	On subbase Tightened with top-hat rail
Product weight	290 g
Display	Seven-segment display
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU machines guideline
Authorization	RCM Mark c UL us - Listed (OL)
Storage temperature	-25 ... 75 °C
Ambient temperature	0 ... 50 °C
UL ambient temperature	0 ... 40 °C
Relative air humidity	0 - 90 % non-condensing
Protection class	IP40
Materials note	Conforms to RoHS
Nominal current, load supply	6 A
Peak current, load supply	8 A
Mains filter	Integrated
Nominal voltage, load supply DC	24 V
Max. intermediate circuit voltage, DC	28 V
Braking resistance	15 Ohm
Braking resistance pulse power	0.1 kVA
Nominal DC voltage, logic power supply	24 V
Permissible range, logic voltage	± 15 %
Nominal current, logic supply	0.3 A
Nominal output current	5.7 A
Controller operating mode	PWM-MOSFET power output stage Cascade controller with P position controller PI speed controller Proportional and integral controller for electricity
Adjustable current reduction	Using software
Step adjustment	Using software
Protective function	I²t monitoring Temperature monitoring Current monitoring Voltage failure detection Drag error monitoring Software end-position detection
Nominal current adjustment	Using software
Parameters configuring interface	Ethernet
Ethernet, supported protocols	TCP/IP
Process interface	I/O coupling

Feature	Value
	For 32 traversing records
Rotor position sensor	Encoder
Position sensor	Encoder
Encoder interface input, characteristics	RS422
Number of digital logic inputs	11
Input circuit logic	PNP (positive-switching)
Logic input characteristics	galvanically connected to logic potential
Specification, logic input	Based on IEC 61131-2
Logic input working range	24 V
Number of 24 V DC digital logic outputs	11
Switching logic, outputs	PNP (positive-switching)
Digital logic output characteristics	Freely configurable to a given extent
	Not electrically isolated
Max. current, digital logic outputs	100 mA
Safety function	Safe torque off (STO)
Safety Integrity Level (SIL)	Safe torque off (STO)/SIL 3
Performance level (PL)	Safe torque off (STO)/category 3, Performance Level e