

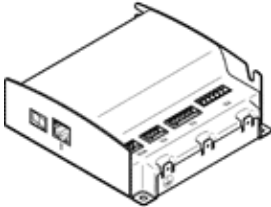
# Motor controller CMMO-ST-C5-1-DIOP

Part number: 1512316  
Product to be discontinued

FESTO

For use as position controller.

Type to be discontinued. Available until 2026. See Support Portal for alternative products.



## Data sheet

Feature	Value
Mounting type	On subbase Tightened with top-hat rail
Product weight	290 g
Display	Seven-segment display
Authorization	RCM Mark c UL us - Listed (OL)
KC mark	KC-EMV
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU machines guideline in accordance with EU RoHS directive
Certificate issuing department	01/205/5252.02/20 TÜV Rheinland
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
PWIS conformity	VDMA24364-B2-L
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	I <sup>2</sup> t monitoring Temperature monitoring Current monitoring

<b>Feature</b>	<b>Value</b>
	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 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