

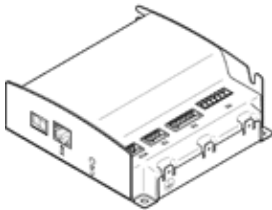
motor controller CMMO-ST-C5-1-LKP

Part number: 1512320
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 sub-base Tightened with top-hat rail
Product weight	290 g
Display	LED green/red Seven-segment display
Authorisation	RCM Mark c UL us - Listed (OL)
KC mark	KC-EMV
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive for machinery 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	31 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 ² t monitoring Temperature monitoring

Feature	Value
	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, Modbus TCP
Protocol	FHPP I-Port IO-Link Modbus TCP
Fieldbus coupling	Ethernet
Communications profile	FHPP
IO-Link, connection technology	Cage Clamp
IO-Link, protocol	Device V 1.1
IO-Link, communication mode	COM3 (230.4 kbd)
IO-Link, number of ports	Device 1
IO-Link, process data width OUT	Parameterisable 8 or 16 bytes
IO-Link, process data content OUT	Parameterisable FHPP or FHPP+FPC
IO-Link, process data width IN	Parameterisable 8 or 16 bytes
IO-Link, process data content IN	Parameterisable FHPP or FHPP+FPC
IO-Link, minimum cycle time	1 ms
Rotor position sensor	Encoder
Position sensor	Encoder
Encoder interface input, characteristics	RS422
Number of digital logic inputs	1
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	3
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