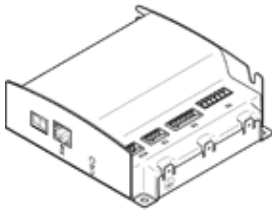


motor controller CMMO-ST-C5-1-LKP

Part number: 1512320

FESTO

For use as position controller.



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
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	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 Current monitoring Voltage failure detection Drag error monitoring Software end-position detection
Nominal current adjustment	Using software
Parameters configuring interface	Ethernet

Feature	Value
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