Motor controller CMMP-AS-C5-3A-M3

Part number: 1501326

Data sheet

Feature	Value
Type of mounting	On sub-base Screwed tightly
Product weight	2200 g
Display	Seven-segment display
Certification	RCM compliance mark c UL us - Listed (OL)
CE marking (see declaration of conformity)	As per EU EMC directive as per EU machinery directive As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions To UK instructions for electrical equipment
Storage temperature	-25 °C...70 °C
Ambient temperature	0 °C...40 °C
Relative air humidity	0 - 90 %
Degree of protection	IP10 IP20
Contamination level	2
Note on materials	RoHS-compliant
LABS (PWIS) conformity	VDMA24364 zone III
Nominal operating voltage phases	1-phase
Nominal operating voltage AC	230 V
Permissible voltage fluctuations	+/- 10 %
Mains frequency	50 Hz...60 Hz
Nominal current	4 A...6 A
Line filter	Integrated
Max. DC link voltage	320 V
Braking resistor	60 Ohm
Pulse power of braking resistor	2.8 kVA
Nominal voltage, logic supply DC	24 V
Permissible range of logic voltage	± 20 %
Max. current consumption for logic supply without clamping brake	0.65 A

Feature	Value
Output voltage range AC	3x 0 - 270 V
Nominal output current	5 A
Nominal current per phase, effective	5 A
Peak current per phase, effective	10 A
Max. peak current duration	5 s
Controller nominal power	1000 VA
Peak power	2000 VA
Output frequency	0 Hz...1000 Hz
Parameterization interface	Parameterization and commissioning USB Ethernet
Fieldbus coupling	CANopen DeviceNet EtherCAT EtherNet/IP Modbus®/TCP PROFINET Profibus DP
Communication profile	DS301/DSP402 FHPP
Process interfacing	I/O coupling For 256 positioning blocks
Max. fieldbus transmission rate	1 Mbit/s
Bus connection	Plug 9-pin Sub-D
Encoder interface output, characteristics	Resolution 16384 ppr
Output encoder interface, function	Actual value feedback via encoder signals in speed control mode. Setpoint specification for downstream slave actuator.
Encoder interface input, characteristics	3-phase encoder signals EnDat® HIPERFACE RS422 SINCOS
Input encoder interface, function	Encoder signal speed setpoint value. As speed setting of the slave actuator in synchronous mode.
Number of digital logic inputs	10
Characteristics of logic input	Galvanically isolated Freely configurable
Work range of logic input	8 V...30 V
Number of digital logic outputs 24 V DC	5
Characteristics of digital logic outputs	Galvanically isolated Freely configurable in some cases
Max. current of digital logic outputs	100 mA
Number of analog setpoint inputs	2
Characteristics of setpoint inputs	Differential inputs Configurable for rotational speed Configurable for current
Work range of setpoint input	± 10 V
Impedance of setpoint input	20 kOhm
Number of analog monitor outputs	2
Working range of monitor outputs	± 10 V
Resolution of monitor outputs	9 bit
Characteristics of monitor outputs	Short circuit-proof