Motor controller
CMMP-AS-C5-3A-M0

Part number: 1622902



Data sheet

Feature	Value
Type of mounting	On sub-base Screw-clamped
Product weight	2200 g
Display	7-segment display
Approval	RCM c UL us - Listed (Oil)
CE mark (see declaration of conformity)	To EU EMC Directive To EC Machinery Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK regulations for machines To UK RoHS instructions
Certificate issuing authority	German Technical Control Board (TÜV) Rheinland 01/205/5262.03/25
Storage temperature	-25 °C...70 °C
Ambient temperature	0 °C...40 °C
Relative air humidity	0 - 90%
Degree of protection	IP10 IP20
Pollution degree	2
Note on materials	RoHS compliant
LABS (PWIS) conformity	VDMA24364 zone III
Phases of nominal operating voltage	Single phase
Nominal operating voltage AC	230 V
Permissible voltage fluctuations	+/-10%
Input voltage range AC	100 V...230 V
Mains frequency	50 Hz...60 Hz
Nominal current	4 A...6 A
Active PFC	Yes
Mains filter	Built in
Max. intermediate circuit voltage DC	320 V
Brake resistance	60 Ohm
Pulse power, brake resistance	2.8 kVA
Nominal voltage for logic power supply DC	24 V

Feature	Value
Permissible range for logic voltage	±20%
Current consumption of logic power supply without clamping brake	0.65 A
Output voltage class 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 output	1000 VA
Maximum output	2000 VA
Output frequency	0 Hz...1000 Hz
Parameterisation interface	Parameterisation and commissioning USB Ethernet
Fieldbus link	CANopen Modbus/TCP
Communication profile	DS301/DSP402
Process interfacing	I/O coupling For 256 positioning records
Max. fieldbus transmission rate	1 Mbit/s
Bus connection	Plug 9-pin Sub-D
Encoder interface output, features	Resolution 16384 ppr
Encoder interface output, function	Actual value feedback via encoder signals in speed control mode. Setpoint specification for downstream slave drive.
Encoder interface input, features	3 single-phase encoder signals EnDat HIPERFACE RS422 SINCOS
Encoder interface input, function	Setpoint speed value as encoder signal Specifies the speed of the slave drive in synchronous mode.
Number of digital logic inputs	10
Features of logic input	Galvanically separated Freely configurable
Working range of logic input	8 V...30 V
Number of digital logic outputs 24 V DC	5
Features of digital logic outputs	Galvanically separated Freely configurable in some cases
Max. current digital logic outputs	100 mA
Number of analogue setpoint inputs	2
Features of setpoint inputs	Differential inputs Configurable for speed Configurable for current
Working range setpoint input	± 10 V
Impedance of setpoint input	20 kOhm
Number of analogue monitor outputs	2
Working range of monitor outputs	± 10 V
Resolution of monitor outputs	9 bit
Features of monitor outputs	short-circuit proof
Safety function	Safe torque off (STO) Safe Stop 1 (SS1)
Safety Integrity Level (SIL)	Safe torque off (STO)/SIL 3/SILCL 3
Performance Level (PL)	Safe Torque Off (STO)/category 4, performance level e
Diagnostic coverage	97 %
SFF Safe Failure Fraction	99.17 %
Hardware fault tolerance	1
Proof test interval	20 y