

# Motor controller SEC-AC-305-PB-P01

Part number: 533778

FESTO

For servomotors incl. documentation, software and plug set. 1000 VA  
for 230 V AC single-phase mains connection, with Profibus DP.



## Data sheet

Feature	Value
Mains filter	Integrated
Braking resistance	100 Ohm
Bus terminating resistor	Integrated
Digital logic output characteristics	Electrically isolated Freely configurable to a given extent
Setpoint input impedance	20 kOhm
Braking resistance pulse power	1.3 kVA
Max. current, digital logic outputs	100 mA
Max. peak current duration	10 s
Max. intermediate circuit voltage, DC	340 V
Nominal operating voltage, AC	230 V
Nominal controller power	1,000 VA
Nominal DC voltage, logic power supply	24 V
Nominal current	5 A
Effective nominal current per phase	5 A
Line frequency	50 ... 60 Hz
Parameters configuring interface	RS232 (9600...57600 Bits/s) Parameters configuration and commissioning Control interface (PtP)
Nominal operating voltage, phases	Single-phase
Peak power	3,000 VA
Effective peak current per phase	10 A
Current consumption, logic power supply without clamping brake	0.35 A
Permissible range, logic voltage	± 20 %
Permissible voltage fluctuation	-15 % / +20 %
CE mark (see declaration of conformity)	to EU directive for EMC
Storage temperature	-25 ... 60 °C
Protection class	IP20
Ambient temperature	0 ... 50 °C
Authorisation	c UL us - Listed (OL)
Product weight	2,500 g
Number of analogue monitor outputs	2
Number of analogue setpoint inputs	2
Number of 24 V DC digital logic outputs	5
Number of digital logic inputs	10
Communications profile	Step 7 functional modules Data fields depend upon operating mode
Process interface	I/O coupling For 16 sets of travel commands
Logic input working range	12 ... 30 V
Monitor output working range	± 10 V
Setpoint input working range	± 10 V
Monitor output resolution	8 Bit

<b>Feature</b>	<b>Value</b>
Encoder interface output, characteristics	Resolution: 1024 ppr
Encoder interface input, characteristics	3-phase encoding signals Resolution: 1024 ppr RS422
Monitor output characteristics	Short-circuit proof
Setpoint input characteristics	Differential inputs Can be configured for speed in RPM Can be configured for current
Logic input characteristics	Electrically isolated Freely configurable
Encoder interface output, function	Actual value feedback via encoder signals in speed control mode Setpoint specification for downstream slave drive unit
Encoder interface input, function	Encoder signal, speed setpoint in RPM In synchronous operation as specified speed in RPM for the slave drive unit
Bus connection	Plug socket D-Sub 9-pin
Fieldbus coupling	Profibus DP
Max. fieldbus transmission speed	12 Mbit/s