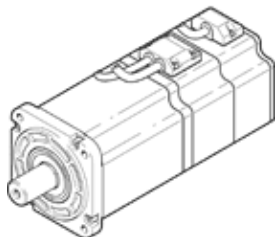


# Servomotor EMMB-AS-80-07-SB

Part number: 5219175

FESTO



## Data sheet

Feature	Value
Ambient temperature	-20 ... 40 °C
Storage temperature	-20 ... 70 °C
Relative air humidity	0 - 90 %
Conforms to standard	IEC 60034
Insulation protection class	F
Rating class according to EN 60034-1	S1
Protection class	IP65
Electrical connector system	Plug
Materials note	Contains PWIS substances Conforms to RoHS
Corrosion resistance classification CRC	0 - No corrosion stress
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU low voltage guideline
Authorization	c UL us - Recognized (OL)
Nominal operating voltage DC	300 V
Nominal voltage DC	300 V
Standstill torque	2.63 Nm
Nominal torque	2.39 Nm
Peak torque	7.17 Nm
Nominal rotary speed	3,000 1/min
Max. speed	5,000 1/min
Nominal motor power	750 W
Continuous open-circuit current	4.2 A
Nominal motor current	3.8 A
Peak current	11.4 A
Motor constant	0.662 Nm/A
Voltage constant, phase-to-phase	40 mVmin
Phase-phase winding resistance	2.1 Ohm
Phase-phase winding inductance	10.5 mH
Overall mass moment of inertia at power take-off	1.099 kgcm <sup>2</sup>
Product weight	3,500 g
Permissible axial shaft load	167 N
Permissible radial shaft load	335 N
Rotor position sensor	Absolute single turn encoder
Rotary position encoder interface	Nikon A format
Rotary position encoder measuring principle	Optical
Rotor position encoder, typical resolution	20 Bit
Rotor position encoder, typical angular accuracy	20 arcmin
Brake holding torque	3.2 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	11.5 W
Mass moment of inertia of brake	0.012 kgcm <sup>2</sup>