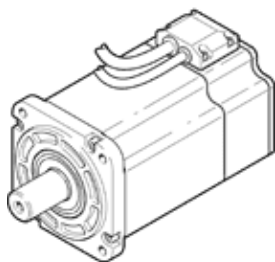


# servo motor EMMB-AS-80-07-S

Part number: 5219171

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 mark (see declaration of conformity)	to EU directive for EMC to EU directive low-voltage devices
Authorisation	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	1.087 kgcm <sup>2</sup>
Product weight	2,800 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