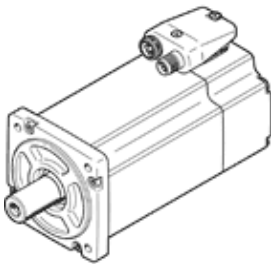


servo motor EMME-AS-80-S-HS-AS

Part number: 2093136

FESTO

Without gearing, without brake.



Data sheet

Feature	Value
Ambient temperature	-10 ... 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	IP21
Electrical connector system	Plug
Materials note	Contains PWIS substances Conforms to RoHS
Corrosion resistance classification CRC	0 - No corrosion stress
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive low-voltage devices
Nominal operating voltage DC	565 V
Nominal voltage DC	565 V
Type of winding switch	Star inside
Number of pole pairs	3
Standstill torque	2.8 Nm
Nominal torque	2.3 Nm
Peak torque	11.2 Nm
Nominal rotary speed	3,000 1/min
Max. speed	4,192 1/min
Nominal motor power	720 W
Continuous open-circuit current	1.8 A
Nominal motor current	1.6 A
Peak current	7.2 A
Motor constant	1.438 Nm/A
Voltage constant, phase-to-phase	95.3 mV/min
Phase-phase winding resistance	14.2 Ohm
Phase-phase winding inductance	30 mH
Overall mass moment of inertia at power take-off	1.4 kgcm ²
Product weight	3,050 g
Permissible axial shaft load	70 N
Permissible radial shaft load	350 N
Rotor position sensor	Absolute single turn encoder
Rotary position encoder interface	HIPERFACE®
Rotary position encoder measuring principle	Capacitive
Rotor position encoder, sinusoidal/cosinusoidal periods per revolution	16
Rotor position encoder, typical resolution	12 Bit
Rotor position encoder, typical angular accuracy	20 arcmin
MTTFd, subcomponent	340 years, rotary position encoder