

servo motor EMMS-AS-55-S-HS-RRB-S1

Part number: 1569777

FESTO

Without gear unit.



Data sheet

Feature	Value
Ambient temperature	-10 ... 40 °C
Storage temperature	-20 ... 60 °C
Relative air humidity	0 - 90 %
Conforms to standard	IEC 60034
Insulation protection class	F
Rating class according to EN 60034-1	S1
Temperature monitoring	PTC resistor
Protection class	IP65
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate 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
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Type of winding switch	Star inside
Number of pole pairs	4
Standstill torque	0.46 Nm
Nominal torque	0.31 Nm
Peak torque	1.62 Nm
Nominal rotary speed	7,600 1/min
Max. speed	9,840 1/min
Nominal motor power	246 W
Nominal motor current	0.49 A
Peak current	2.7 A
Motor constant	0.635 Nm/A
Voltage constant, phase-to-phase	40.58 mVmin
Phase-phase winding resistance	56.9 Ohm
Phase-phase winding inductance	38.1 mH
Overall mass moment of inertia at power take-off	0.15 kgcm ²
Product weight	1,320 g
Permissible axial shaft load	75 N
Permissible radial shaft load	140 N
Rotor position sensor	Resolver
Rotary position encoder interface	SIN/COS analogue signal
Rotary position encoder measuring principle	Inductive
Brake holding torque	0.8 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	10 W
Mass moment of inertia of brake	0.02 kgcm ²
Switching cycles, holding brake	10 million idle actuations (without friction work)
MTTF, subcomponent	80 years, rotary position encoder 11416 years, holding brake
MTTFd, subcomponent	160 years, rotary position encoder