

# servo motor EMMS-AS-55-M-LS-RR

Part number: 1569788

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	IP54
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	360 V
Nominal voltage DC	360 V
Type of winding switch	Star inside
Number of pole pairs	4
Standstill torque	0.97 Nm
Nominal torque	0.67 Nm
Peak torque	2.7 Nm
Nominal rotary speed	6,600 1/min
Max. speed	7,330 1/min
Nominal motor power	461 W
Nominal motor current	1.19 A
Peak current	5 A
Motor constant	0.558 Nm/A
Voltage constant, phase-to-phase	34.73 mVmin
Phase-phase winding resistance	14.7 Ohm
Phase-phase winding inductance	13.8 mH
Overall mass moment of inertia at power take-off	0.22 kgcm <sup>2</sup>
Product weight	1,500 g
Permissible axial shaft load	75 N
Permissible radial shaft load	150 N
Rotor position sensor	Resolver
Rotary position encoder interface	SIN/COS analogue signal
Rotary position encoder measuring principle	Inductive
MTTF, subcomponent	80 years, rotary position encoder
MTTFd, subcomponent	160 years, rotary position encoder