

# Servomotor EMMS-AS-55-MK-HS-RRB-S1

Part number: 1569832

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
Shaft design Featherkey	DIN 6885 A 3 x 3 x 14
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Authorization	RCM Mark c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU low voltage guideline
Nominal operating voltage DC	565 V
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Type of winding switch	Star inside
Number of pole pairs	4
Standstill torque	0.99 Nm
Nominal torque	0.68 Nm
Peak torque	3.8 Nm
Nominal rotary speed	6,600 1/min
Max. speed	7,750 1/min
Nominal motor power	470 W
Nominal motor current	0.8 A
Peak current	4.9 A
Motor constant	0.829 Nm/A
Voltage constant, phase-to-phase	51.54 mVmin
Phase-phase winding resistance	31.3 Ohm
Phase-phase winding inductance	29.3 mH
Overall mass moment of inertia at power take-off	0.24 kgcm <sup>2</sup>
Product weight	1,620 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
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 <sup>2</sup>
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