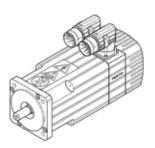
servo motor EMMS-AS-70-MK-LV-RRB-S1 Part number: 1550975

FESTO

Without gear unit.



Data sheet

Feature	Value
Ambient temperature	-40 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 4 x 4 x 16
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	2.57 Nm
Nominal torque	2.28 Nm
Peak torque	8.3 Nm
Nominal rotary speed	4,600 1/min
Max. speed	5,570 1/min
Nominal motor power	1,100 W
Nominal motor current	3.02 A
Peak current	12.5 A
Motor constant	0.757 Nm/A
Voltage constant, phase-to-phase	45.69 mVmin
Phase-phase winding resistance	5.08 Ohm
Phase-phase winding inductance	10.1 mH
Overall mass moment of inertia at power take-off	0.69 kgcm2
Product weight	2,990 g
Permissible axial shaft load	75 N
Permissible radial shaft load	200 N
Rotor position sensor	Resolver
Rotary position encoder interface	SIN/COS analogue signal
Rotary position encoder measuring principle	Inductive
Brake holding torque	2 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	11 W
Mass moment of inertia of brake	0.07 kgcm2
Switching cycles, holding brake	10 million idle actuations (without friction work)
MTTF, subcomponent	80 years, rotary position encoder
	1769 years, holding brake
MTTFd, subcomponent	160 years, rotary position encoder