

servo motor EMMS-AS-40-SK-LS-SRB

Part number: 1578612

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	IP54
Shaft design Featherkey	DIN 6885 A 2 x 2 x 10
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	0.16 Nm
Nominal torque	0.14 Nm
Peak torque	0.5 Nm
Nominal rotary speed	9,000 1/min
Max. speed	23,040 1/min
Nominal motor power	135 W
Nominal motor current	0.83 A
Peak current	3.3 A
Motor constant	0.172 Nm/A
Voltage constant, phase-to-phase	11 mVmin
Phase-phase winding resistance	20.5 Ohm
Phase-phase winding inductance	5.18 mH
Overall mass moment of inertia at power take-off	0.037 kgcm ²
Product weight	610 g
Permissible axial shaft load	12 N
Permissible radial shaft load	78 N
Rotor position sensor	Resolver
Rotary position encoder interface	SIN/COS analogue signal
Rotary position encoder measuring principle	Inductive
Brake holding torque	0.4 Nm
Operating voltage DC for brake	24 V
Power consumption, brake	6.2 W
Mass moment of inertia of brake	0.01 kgcm ²
Switching cycles, holding brake	5 million idle actuations (without work of friction!)
MTTF, subcomponent	80 years, rotary position encoder 4469 years, holding brake
MTTFd, subcomponent	160 years, rotary position encoder