

Servo motor EMMS-AS-140-S-HS-RM

Part number: 550132

FESTO



Data sheet

Feature	Value
Ambient temperature	-10 °C ... 40 °C
Storage temperature	-20 °C ... 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
Degree of protection	IP54
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Certification	RCM compliance mark c UL us - Recognized (OL)
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for electrical equipment To UK RoHS instructions
DC nominal voltage	565 V
Type of winding switch	Star inside
Number of pole pairs	6
Stall torque	11.32 Nm
Nominal torque	9.55 Nm
Peak torque	25.6 Nm
Nominal rotary speed	2600 1/min
Max. rotational speed	3060 1/min
Motor nominal power	2600 W
Motor nominal current	4.4 A
Peak current	15 A
Motor constants	2.166 Nm/A
Voltage constant, phase-to-phase	130.69 mVmin
Phase-phase winding resistance	3.39 Ohm
Winding inductance phase-phase	20.5 mH
Total output inertia moment	8.189 kgcm ²
Product weight	9600 g

Feature	Value
Permissible axial shaft load	200 N
Permissible radial shaft load	780 N
Rotor position sensor	Absolute encoder, multi-turn
Rotor position sensor interface	EnDat® 22
Rotor position sensor measuring principle	Inductive
Rotor position sensor resolution	19 bit
MTTF, subcomponent	76 years, rotor position sensor
MTTFd, subcomponent	152 years, rotor position sensor
Energy efficiency	ENEFF (CN) / Class 2