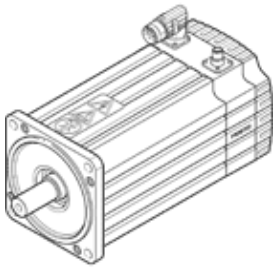


Servomotor EMMS-AS-140-LK-HS-RM-S1

Part number: 1574671

FESTO



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 Woodruff key	DIN 6885 A 8 x 7 x 40
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	2 - Moderate corrosion stress
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU low voltage guideline
Authorization	RCM Mark c UL us - Recognized (OL)
Nominal voltage DC	565 V
Type of winding switch	Star inside
Standstill torque	25.6 Nm
Nominal torque	21.12 Nm
Peak torque	48.8 Nm
Nominal rotary speed	2,000 1/min
Max. speed	2,460 1/min
Nominal motor power	4,420 W
Nominal motor current	7.8 A
Peak current	20 A
Motor constant	2.72 Nm/A
Voltage constant, phase-to-phase	162.39 mVmin
Phase-phase winding resistance	1.41 Ohm
Phase-phase winding inductance	13.44 mH
Overall mass moment of inertia at power take-off	19.027 kgcm ²
Product weight	16,200 g
Permissible axial shaft load	200 N
Permissible radial shaft load	1,060 N
Rotor position sensor	Absolute multi-turn encoder
Rotary position encoder interface	EnDat 21
Rotary position encoder measuring principle	Inductive
Rotary position encoder trigger	18 Bit
MTTF, subcomponent	76 years, rotary position encoder
MTTFd, subcomponent	152 years, rotary position encoder