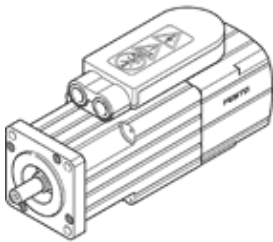


Servomotor EMMS-AS-55-M-LS-TM

Part number: 550111

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	IP54
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	360 V
Type of winding switch	Star inside
Standstill torque	0.98 Nm
Nominal torque	0.68 Nm
Peak torque	2.7 Nm
Nominal rotary speed	6,600 1/min
Max. speed	7,330 1/min
Nominal motor power	467 W
Nominal motor current	1.2 A
Peak current	5 A
Motor constant	0.558 Nm/A
Voltage constant, phase-to-phase	34.73 mV/min
Phase-phase winding resistance	14.7 Ohm
Phase-phase winding inductance	13.8 mH
Overall mass moment of inertia at power take-off	0.223 kgcm ²
Product weight	1,600 g
Permissible axial shaft load	75 N
Permissible radial shaft load	150 N
Rotor position sensor	Absolute multi-turn encoder
Rotary position encoder interface	EnDat 21
Rotary position encoder measuring principle	Inductive
Rotor position encoder trigger	18 Bit
MTTF, subcomponent	76 years, rotary position encoder
MTTFd, subcomponent	152 years, rotary position encoder