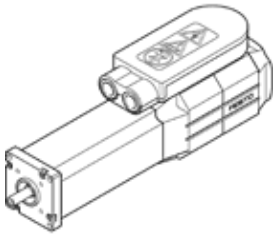


# Servomotor EMMS-AS-40-M-LS-TMB

Part number: 550109

FESTO

Without gear unit.



## 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
Authorization	RCM Mark c UL us - Recognized (OL)
CE symbol (see declaration of conformity)	according to EU-EMV guideline according to EU low voltage guideline
Nominal voltage DC	360 V
Type of winding switch	Star inside
Number of pole pairs	4
Standstill torque	0.26 Nm
Nominal torque	0.22 Nm
Peak torque	1 Nm
Nominal rotary speed	10,300 1/min
Max. speed	11,520 1/min
Nominal motor power	232 W
Nominal motor current	0.63 A
Peak current	3.3 A
Motor constant	0.344 Nm/A
Voltage constant, phase-to-phase	22.1 mVmin
Phase-phase winding resistance	31 Ohm
Phase-phase winding inductance	10.4 mH
Overall mass moment of inertia at power take-off	0.055 kgcm <sup>2</sup>
Product weight	1,050 g
Permissible axial shaft load	12 N
Permissible radial shaft load	82 N
Rotor position sensor	Absolute multi-turn encoder
Rotary position encoder interface	EnDat 22
Rotary position encoder measuring principle	Inductive
Rotary position encoder resolution	19 Bit
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 <sup>2</sup>
Switching cycles, holding brake	5 million idle actuations (without work of friction!)
MTTF, subcomponent	76 years, rotary position encoder 4469 years, holding brake
MTTFd, subcomponent	152 years, rotary position encoder