Servo motor
EMMS-AS-40-M-LS-TSB

Part number: 550108



Data sheet

Feature	Value
Number of pole pairs	4
Type code	EMMS-AS
Rotor position sensor	Absolute encoder, single-turn
Rotor position sensor interface	EnDat® 22
Rotor position sensor measuring principle	Inductive
Temperature monitoring	PTC resistor
Max. rotational speed	11520 1/min
Nominal rotary speed	10300 1/min
Brake DC operating voltage	24 V
Insulation protection class	F
Brake power consumption	6.2 W
Motor constants	0.344 Nm/A
Motor nominal power	232 W
DC nominal voltage	360 V
Motor nominal current	0.63 A
Rotor position sensor resolution	18 bit
Phase-phase winding resistance	31 Ohm
Winding inductance phase-phase	10.4 mH
Type of winding switch	Star inside
Peak current	3.3 A
Voltage constant, phase-to-phase	22.1 mVmin
Rating class according to EN 60034-1	S1
CE marking (see declaration of conformity)	As per EU EMC directive As per EU low voltage directive
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 90 %
Degree of protection	IP54
Ambient temperature	-10 °C ... 40 °C
Certification	RCM compliance mark c UL us - Recognized (OL)
Total output inertia moment	0.055 kgcm²
Brake holding torque	0.4 Nm
Brake mass moment of inertia	0.01 kgcm²
Nominal torque	0.22 Nm
Peak torque	1 Nm

Feature	Value
Stall torque	0.26 Nm
Permissible axial shaft load	12 N
Permissible radial shaft load	82 N
MTTF, subcomponent	76 years, rotor position sensor 4469 years, holding brake
MTTFd, subcomponent	152 years, rotor position sensor
Switching cycles, holding brake	5 million idle actuations (without friction work!)
Product weight	1050 g
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Conforms to standard	IEC 60034