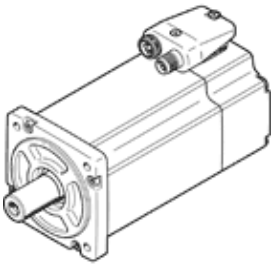
servo motor
EMME-AS-80-S-LS-AMX

Part number: 4267580

FESTO

Without gearing, without brake.



Data sheet

Feature	Value
Ambient temperature	-10 ... 40 °C
Storage temperature	-20 ... 70 °C
Relative air humidity	0 - 90 %
Conforms to standard	IEC 60034
Insulation protection class	F
Rating class according to EN 60034-1	S1
Protection class	IP21
Electrical connector system	Plug
Materials note	Contains PWIS substances Conforms to RoHS
Corrosion resistance classification CRC	0 - No corrosion stress
Authorisation	RCM Mark c UL us - Recognized (OL)
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive low-voltage devices
Nominal operating voltage DC	360 V
Nominal voltage DC	360 V
Type of winding switch	Star inside
Number of pole pairs	3
Standstill torque	2.8 Nm
Nominal torque	2.4 Nm
Peak torque	11.2 Nm
Nominal rotary speed	3,000 1/min
Max. speed	4,690 1/min
Nominal motor power	750 W
Continuous open-circuit current	3.1 A
Nominal motor current	2.6 A
Peak current	12.4 A
Motor constant	0.923 Nm/A
Voltage constant, phase-to-phase	54.3 mVmin
Phase-phase winding resistance	4.6 Ohm
Phase-phase winding inductance	9.46 mH
Overall mass moment of inertia at power take-off	1.4 kgcm2
Product weight	3,050 g
Permissible axial shaft load	70 N
Permissible radial shaft load	350 N
Rotor position sensor	Safety Enc. absolut multi turn
Rotary position encoder interface	HIPERFACE®
Rotary position encoder measuring principle	Optical
Rotor position encoder, sinusoidal/cosinusoidal periods per revolution	128
Rotor position encoder, typical resolution	15 Bit
Rotor position encoder, typical angular accuracy	20 arcmin
Safety Integrity Level (SIL), component parts	SIL 2, rotor position encoder SILCL 2, rotor position encoder
Performance Level (PL), component parts	Category 3, Performance Level d, rotor position encoder
PFHd, component parts	1.3 x 10E-8, rotor position encoder
Duration of use Tm, component parts	20 years, rotor position encoder
MTTFd, subcomponent	874 years, rotor position encoder