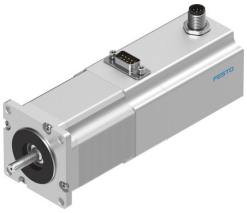
Stepper motor
EMMS-ST-57-M-SEB-G2

Part number: 1370481



Data sheet

Feature	Value
Step angle with full step	1.8 deg
Step angle tolerance	±5%
Type code	EMMS-ST
Rotor position sensor	Incremental encoder
Rotor position sensor interface	RS422 TTL A/B channels + zero index
Rotor position sensor measuring principle	Optical
Max. rotational speed	1940 1/min
Brake DC operating voltage	24 V
Insulation protection class	B
Brake power consumption	10 W
Nominal operating voltage DC	48 V
Motor nominal current	5 A
Phase winding resistance	0.25 Ohm
Winding inductance phase	0.95 mH
Voltage constant, phase	25.5 mVmin
Rating class according to EN 60034-1	S1
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-20 °C ... 70 °C
Relative air humidity	0 - 85 %
Degree of protection	IP54
Ambient temperature	-10 °C ... 50 °C
Thermal class according to EN 60034-1	B
Certification	RCM compliance mark c UL us - Recognized (OL)
Total output inertia moment	0.5 kgcm²
Brake holding torque	1 Nm
Motor holding torque	1.4 Nm
Brake mass moment of inertia	0.02 kgcm²
Rotor mass moment of inertia	0.48 kgcm²
Permissible axial shaft load	10 N
Permissible radial shaft load	52 N
Product weight	1380 g
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Conforms to standard	IEC 60034