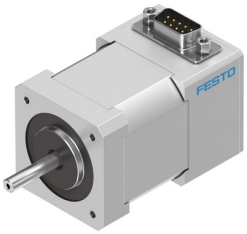
Stepper motor
EMMS-ST-42-S-S-G2

Part number: 1370470



Data sheet

Feature	Value
Step angle with full step	1.8 deg
Step angle tolerance	±5%
Type code	EMMS-ST
Max. rotational speed	1740 1/min
Insulation protection class	B
Nominal operating voltage DC	48 V
Motor nominal current	1.8 A
Phase winding resistance	1.75 Ohm
Winding inductance phase	3.3 mH
Voltage constant, phase	23 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	0.082 kgcm²
Brake holding torque	0.4 Nm
Motor holding torque	0.5 Nm
Rotor mass moment of inertia	0.082 kgcm²
Permissible axial shaft load	7 N
Permissible radial shaft load	20 N
Product weight	360 g
Electrical connection technology	Plug
Note on materials	RoHS-compliant
Conforms to standard	IEC 60034