

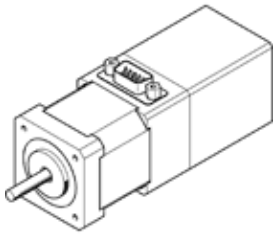
Stepper motor EMMS-ST-42-S-SB-G2

Part number: 1370472

☆ Core product range

Without gear unit/with brake.

FESTO



Data sheet

Feature	values
Stepper angle at full step	1.8 deg
Stepper angle tolerance	±5%
Max. speed	1,740 1/min
Operating voltage DC for brake	24 V
Insulation protection class	B
Power consumption, brake	8 W
Nominal operating voltage DC	48 V
Nominal motor current	1.8 A
Winding resistance phase	1.75 Ohm
Winding inductance phase	3.3 mH
Voltage constant, phase	23 mVmin
Rating class according to EN 60034-1	S1
CE symbol (see declaration of conformity)	according to EU-EMV guideline
Corrosion resistance classification CRC	1
Storage temperature	-20 ... 70 °C
Relative air humidity	0 - 85 %
Protection class	IP54
Ambient temperature	-10 ... 50 °C
Thermal class according to EN 60034-1	B
Authorization	RCM Mark c UL us - Recognized (OL)
Overall mass moment of inertia at power take-off	0.095 kgcm ²
Brake holding torque	0.4 Nm
Motor holding torque	0.5 Nm
Mass moment of inertia of brake	0.013 kgcm ²
Mass moment of inertia of rotor	0.082 kgcm ²
Permissible axial shaft load	7 N
Permissible radial shaft load	20 N
Product weight	540 g
Electrical connector system	Plug
Materials note	Conforms to RoHS
Conforms to standard	IEC 60034