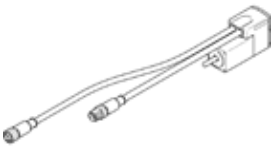
stepper motor
EMMS-ST-28-L-SE

Part number: 1430663
☆ Core product range

Without gearing, without brake.



Data sheet

Feature	Value
Ambient temperature	-10 ... 50 °C
Storage temperature	-20 ... 70 °C
Relative air humidity	0 - 85 %
Conforms to standard	IEC 60034
Insulation protection class	B
Thermal class according to EN 60034-1	B
Rating class according to EN 60034-1	S1
Protection class	IP65
Electrical connector system	Plug
Materials note	Conforms to RoHS
Corrosion resistance classification CRC	1 - Low corrosion stress
CE mark (see declaration of conformity)	to EU directive for EMC
Authorisation	RCM Mark c UL us - Recognized (OL)
Nominal operating voltage DC	48 V
Motor holding torque	0.09 Nm
Max. speed	6,000 1/min
Stepper angle at full step	1.8 deg
Stepper angle tolerance	±5 %
Nominal motor current	1.4 A
Voltage constant, phase	6 mVmin
Winding resistance phase	2.3 Ohm
Winding inductance phase	1.4 mH
Mass moment of inertia of rotor	0.018 kgcm2
Overall mass moment of inertia at power take-off	0.018 kgcm2
Product weight	320 g
Permissible axial shaft load	7 N
Permissible radial shaft load	20 N
Rotor position sensor	Incremental encoder
Rotary position encoder interface	RS422 TTL AB-channel + zero index
Rotary position encoder measuring principle	Optical