Rotary drive
ERMO-16-ST-E

Part number: 3008526

General operating condition

Data sheet

Feature	Value
Size	16
Design	Electromechanical rotary drive With integrated gear unit
Mounting position	Any
Type of mounting	With female thread
Rotation angle	Infinite
Gear unit ratio	9:1
Nominal torque	0.8 Nm
Nominal rotary speed	100 rpm
Max. speed at 90°	200 rpm
Impact energy in end positions	7.0E-5 J
Torsional backlash	0.2 deg
Repetition accuracy	±0.05°
Max. axial force	290 N
Max. radial force	300 N
Permissible mass moment of inertia	0.0013 kgm²
Product weight	900 g
Stepper angle for complete step	1.8 deg
Stepping angle tolerance	±5%
Mass moment of inertia JO	0.0383 kgcm²
Duty cycle	100%
Nominal operating voltage DC	24 V
Operating voltage DC for brake	24 V
Power consumption, brake	8 W
Brake holding torque	1 Nm
Mass moment of inertia of brake	0.0069 kgcm²
Nominal motor current	1.4 A
Insulation protection class	B
Type of motor	Stepper motor
Rotor position sensor	Incremental encoder
Rotor position encoder interface	RS422 TTL AB channels + zero index
Rotor position sensor, encoder measuring principle	Optical
Electrical connector system	Plug
Approval	RCM
CE mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive

Feature	Value
UKCA marking (see declaration of conformity)	To UK RoHS instructions
Bending radius, fixed cable	≥60 mm
Interface code, basis	E8-45
Degree of protection	IP40
Storage temperature	-20 °C ... 60 °C
Ambient temperature	0 °C ... 50 °C
Relative air humidity	Non-condensing
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS compliant
Material flange	Wrought aluminium alloy anodised
Material housing	anodised