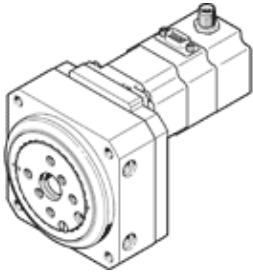


Rotary drive ERMO-32-ST-E

Part number: 3008528

FESTO

With stepper motor, integrated gear unit and measuring unit encoder.



Data sheet

Feature	Value
Size	32
Design structure	Electromechanical rotary drive With integrated gearing
Assembly position	Any
Mounting type	with internal (female) thread
Rotation angle	Endless
Gear unit ratio	7:1
Nominal torque	5 Nm
Nominal rotary speed	50 1/min
Max. speed at 90°	100 1/min
Impact energy in end positions	0.00029 J
Torsional backlash	0.2 deg
Repetition accuracy	±0,1 °
Max. axial force	450 N
Max. radial force	550 N
Permissible mass moment of inertia	0.0164 kgm ²
Product weight	2,200 g
Stepper angle at full step	1.8 deg
Stepper angle tolerance	±5 %
Mass moment of inertia, JO	0.39 kgcm ²
Duty cycle	100 %
Nominal operating voltage DC	24 V
Operating voltage DC for brake	24 V
Power consumption, brake	8 W
Brake holding torque	2.5 Nm
Mass moment of inertia of brake	0.013 kgcm ²
Nominal motor current	4.2 A
Insulation protection class	B
Motor type	Stepper motor
Rotor position sensor	Incremental encoder
Rotary position encoder interface	RS422 TTL AB-channel + zero index
Rotary position encoder measuring principle	Optical
Electrical connector system	Plug
Authorisation	RCM Mark
CE mark (see declaration of conformity)	to EU directive for EMC in accordance with EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Interface code, base	E8-55
Protection class	IP40
Storage temperature	-20 ... 60 °C
Ambient temperature	0 ... 50 °C
Relative air humidity	0 - 85 % non-condensing

Feature	Value
PWIS conformity	VDMA24364 zone III
Materials note	Conforms to RoHS
Material flange	Wrought Aluminium alloy Anodised
Material housing	Wrought Aluminium alloy Anodised