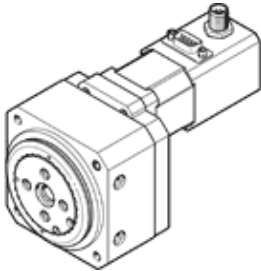


# Rotary drive ERMO-25-ST-E

Part number: 3008527

FESTO

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



## Data sheet

Feature	Value
Size	25
Design structure	Electromechanical rotary drive With integrated gearing
Assembly position	Any
Mounting type	with internal (female) thread
Rotation angle	Endless
Gear unit ratio	9:1
Nominal torque	2.5 Nm
Nominal rotary speed	66 1/min
Max. speed at 90°	150 1/min
Impact energy in end positions	0.00016 J
Torsional backlash	0.2 deg
Repetition accuracy	±0,05 °
Max. axial force	350 N
Max. radial force	450 N
Permissible mass moment of inertia	0.0065 kgm <sup>2</sup>
Product weight	1,350 g
Stepper angle at full step	1.8 deg
Stepper angle tolerance	±5 %
Mass moment of inertia, JO	0.114 kgcm <sup>2</sup>
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 <sup>2</sup>
Nominal motor current	3 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
Authorization	RCM Mark
CE symbol (see declaration of conformity)	according to EU-EMV guideline 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

<b>Feature</b>	<b>Value</b>
PWIS conformity	VDMA24364 zone III
Materials note	Conforms to RoHS
Material flange	Wrought Aluminum alloy Anodized
Material housing	Wrought Aluminum alloy Anodized