

# Rotary actuator ERMO-25-ST-E

Part number: 3008527

FESTO



## Data sheet

Feature	Value
Size	25
Structural design	Electromechanical rotary actuator with integrated gearbox
Mounting position	Any
Type of mounting	With internal thread
Rotation angle	Infinite
Gear ratio	9:1
Nominal torque	2.5 Nm
Nominal rotary speed	66 1/min
Max. rotational speed	150 1/min
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	1350 g
Step angle with full step	1.8 deg
Step angle tolerance	±5%
Mass moment of inertia JO	0.114 kgcm <sup>2</sup>
Duty cycle	100%
Nominal operating voltage DC	24 V
Motor nominal current	3 A
Insulation protection class	B
Motor type	Stepper motor
Rotor position sensor	Incremental encoder
Rotor position sensor interface	RS422 TTL A/B channels + zero index
Rotor position sensor measuring principle	Optical
Electrical connection technology	Plug
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
Interface code, base	E8-55
Degree of protection	IP40
Ambient temperature	0 °C ... 50 °C
Relative air humidity	0 - 85 % Non-condensing

<b>Feature</b>	<b>Value</b>
LABS (PWIS) conformity	VDMA24364 zone III
Note on materials	RoHS-compliant
Material of flange	Wrought aluminum alloy Anodized
Housing material	Wrought aluminum alloy Anodized