

Electric actuator EPCC-BS-25-175-6P-A

Part number: 5428819

FESTO



Data sheet

Feature	Value
Size	25
Stroke	175 mm
Stroke reserve	0 mm
Piston rod thread	M6
Reversing backlash	100 µm
Screw diameter	6 mm
Spindle pitch	6 mm/U
Max. angle of rotation of the piston rod +/-	1 deg
Type code	EPCC
Mounting position	Any
Piston rod end	External thread
Motor type	Stepper motor Servo motor
Structural design	Electric actuator with ball screw drive
Spindle type	Ball screw drive
Symbol	00991941
Protection against torsion/guide	With plain-bearing guide
Max. acceleration	15 m/s ²
Max. speed	0.251 m/s
Repetition accuracy	±0.02 mm
Duty cycle	100%
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS conformity	VDMA24364 zone III
Storage temperature	-20 °C ... 60 °C
Relative air humidity	0 - 95 % Non-condensing
Degree of protection	IP40
Ambient temperature	0 °C ... 60 °C
Impact energy in the end positions	0.0012 J
Max. torque Mx	0 Nm
Max. torque My	0.6 Nm
Max. torque Mz	0.6 Nm
Max. radial force on actuator shaft	30 N
Max. feed force Fx	75 N
Guide value for payload, horizontal	12 kg

Feature	Value
Guide value for payload, vertical	6 kg
Mass moment of inertia JH per meter of stroke	0.0095 kgcm ²
Mass moment of inertia JL per kg of payload	0.0091 kgcm ²
Mass moment of inertia JO	0.0014 kgcm ²
Moving mass at 0 mm stroke	53 g
Additional weight per 10 mm stroke	13 g
Basic weight with 0 mm stroke	132 g
Additional moving mass per 10 mm stroke	2.6 g
Type of mounting	With accessories
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Housing material	Wrought aluminum alloy Smooth anodized
Piston rod material	High-alloy stainless steel
Spindle nut material	Steel
Spindle material	Roller bearing steel