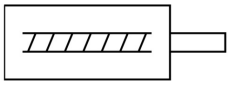
Electric actuator
EPCC-BS-32-25-8P-A

Part number: 5428841





Data sheet

Feature	Value
Size	32
Stroke	25 mm
Stroke reserve	0 mm
Piston rod thread	M8
Reversing backlash	100 µm
Screw diameter	8 mm
Spindle pitch	8 mm/U
Max. angle of rotation of the piston rod +/-	1 deg
Mounting position	Any
Piston rod end	External thread
Motor type	Stepper motor Servo motor
Position sensing	For proximity sensor
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/s²
Max. speed	0.5 m/s
Repetition accuracy	±0.02 mm
Duty cycle	100%
Corrosion resistance class (CRC)	0 - No corrosion stress
LABS conformity	VDMA24364 zone III
RSBP classification to CD-0033	F1a
Cleanroom class	ISO Class 9
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	0.0036 J
Max. torque Mx	0 Nm
Max. torque My	1.5 Nm
Max. torque Mz	1.5 Nm
Max. radial force on actuator shaft	75 N

Feature	Value
Max. feed force Fx	150 N
Guide value for payload, horizontal	24 kg
Guide value for payload, vertical	12 kg
Mass moment of inertia JH per meter of stroke	0.0311 kgcm²
Mass moment of inertia JL per kg of payload	0.0162 kgcm²
Mass moment of inertia JO	0.0055 kgcm²
Moving mass at 0 mm stroke	98 g
Additional weight per 10 mm stroke	24 g
Basic weight with 0 mm stroke	225 g
Additional moving mass per 10 mm stroke	3.3 g
Type of mounting	With internal thread With accessories
Note on materials	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