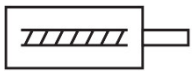
Electric cylinder
EPCC-BS-32-200-8P-A

Part number: 5428848



General operating condition

Data sheet

Feature	Value
Size	32
Stroke	200 mm
Stroke reserve	0 mm
Piston rod thread	M8
Reversing backlash theoretical	100 µm
Spindle diameter	8 mm
Spindle pitch	8 mm/U
Torsional backlash at piston rod +/-	1 deg
Mounting position	optional
Piston-rod end	Male thread
Type of motor	Stepper motor Servo motor
Position detection	Via proximity switch
Design	Electric cylinder With ball screw drive
Spindle type	Ball screw drive
Symbol	00991941
Protection against torque/guide	With plain-bearing guide
Max. acceleration	15 m/s²
Max. rotational speed	3750 rpm
Max. speed	0.5 m/s
Max. homing speed	0.01 m/s
Repetition accuracy	±0.02 mm
Duty cycle	100%
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Suitability for the production of Li-ion batteries	Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 9 according to ISO 14644-1
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 end positions	0.0036 J

Feature	Value
Max. drive torque	0.3 Nm
Max. moment Mx	0 Nm
Max. moment My	1.5 Nm
Max. moment Mz	1.5 Nm
Max. radial force at drive shaft	75 N
Max. feed force Fx	150 N
Frictional torque independent of load	0.095 Nm
Reference value effective load, horizontal	24 kg
Reference value effective load, vertical	12 kg
Mass moment of inertia JH per metre of stroke	0.0311 kgcm²
Mass moment of inertia JL per kg of working load	0.0162 kgcm²
Mass moment of inertia JO	0.0055 kgcm²
Maintenance interval	Life-time lubrication
Moving mass for 0 mm stroke	98 g
Additional moving mass per 10 mm stroke	3.3 g
Basic weight for 0 mm stroke	225 g
Additional weight per 10 mm stroke	24 g
Type of mounting	Via female thread With accessories
Note on materials	RoHS-compliant
Material housing	Wrought aluminium alloy Smooth anodised
Material piston rod	High-alloy stainless steel
Material spindle nut	Steel
Material spindle	Rolled steel