

Electric Cylinder ESBF-BS-100-100-5P - Festo 574115

Item no. FES-574115

Manufacturer Festo

EAN 4052568222123

Festo pneumatic cylinder for precise linear motion and defined force in automation.

TECHNICAL DATA

HS-Code	84799070
Hub [mm]	100.000000
Schutzart	IP40
Weight	12 kg



DESCRIPTION

Festo pneumatic cylinder for precise linear motion and defined force in automation. The key technical data of this genuine Festo article are listed below.

size	100
Stroke [mm]	100
Piston rod thread	M20x1,5
Reversing play [µm]	30
Spindle diameter [mm]	40
Spindle pitch [mm/U]	5,0
Max. twist angle of the piston rod ± [deg]	0,50
Based on standard	ISO 15552
installation position	arbitrary
Piston rod end	Male thread
Motor type	Servo motor
Position detection	For proximity switch
Construction set up	Electro-cylinder with ball screw thread
Spindle type	Ball screw

Anti-twist lock / guide	Slide guided
Max. acceleration [m/s ²]	5,0
Max. speed [m/s]	0,170
Repeatability	±0.01 mm
Power-on time	100 %
Corrosion resistant class KBK	2 - moderate corrosion stress
Bearing temperature [°C]	-20 to 60
Food compatibility	See expanded material information
Relative humidity	0 - 95 %
Protection category	IP40
ambient temperature [°C]	0 to 60
Max. actuator torque [Nm]	16,9
Max. radial force on drive shaft [N]	1.100
Max. feed force Fx [N]	17.000
Empty run actuator torque [Nm]	0,70
Guideline payload, horizontal [KGM]	1.700
Guideline payload, vertical [KGM]	1.700
Mass inertia JH per metre stroke [kg/cm ²]	18,9780
Mass inertia JL per kg usable load [kg/cm ²]	0,00633
Mass inertia JO [kg/cm ²]	4,69630
Moving mass at 0 mm stroke [g]	5.300
Weight supplement per 10 mm stroke [g]	155
Base weight at 0 mm stroke [g]	7.393
Supplement moved mass per 10 mm stroke [g]	103
Fastening type	With female thread or accessory
Interface code actuator	D100
Material information	LABS containing materials included RoHs compliant
Cover material	Cast aluminium Coated
Piston rod material	High-alloyed stainless steels
Screws material	Steel zinc plating
Spindle nut material	Roller bearing steel
Spindle material	Roller bearing steel
Cylinder tube material	Aluminium wrought alloy Smooth anodised