

Electric Cylinder ESBF-BS-50-200-5P - Festo 2215386

Item no. FES-2215386

Manufacturer Festo

EAN 4052568264475

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

TECHNICAL DATA

HS-Code	84799070
Hub [mm]	200.000000
Schutzart	IP40
Weight	3.3 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	50
Stroke [mm]	200
Piston rod thread	M16x1,5
Reversing play [µm]	30
Spindle diameter [mm]	20
Spindle pitch [mm/U]	5,0
Max. twist angle of the piston rod ± [deg]	0,15
Based on standard	ISO 15552
installation position	arbitrary
Piston rod end	Male thread
Motor type	Step motor 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]	0,330
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]	4,8
Max. radial force on drive shaft [N]	300
Max. feed force Fx [N]	5.000
Empty run actuator torque [Nm]	0,30
Guideline payload, horizontal [KGM]	500
Guideline payload, vertical [KGM]	500
Mass inertia JH per metre stroke [kg/cm ²]	1,0187
Mass inertia JL per kg usable load [kg/cm ²]	0,00630
Mass inertia JO [kg/cm ²]	0,14530
Moving mass at 0 mm stroke [g]	793
Weight supplement per 10 mm stroke [g]	65
Base weight at 0 mm stroke [g]	1.982
Supplement moved mass per 10 mm stroke [g]	35
Fastening type	With female thread or accessory
Interface code actuator	D50
Material information	LABS containing materials included RoHs compliant
Cover material	Aluminium wrought alloy Smooth anodised
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