

Electric Cylinder ESBF-BS-32-200-5P - Festo 2215384

Item no. FES-2215384

Manufacturer Festo

EAN 4052568264451

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

TECHNICAL DATA

Corrosion resistance class CRC **2 - moderate corrosion stress**

Design	Electro-cylinder with ball screw thread
HS-Code	84799070
Hub [mm]	200
Mounting position	arbitrary
Norm	ISO 15552
Position sensing	Yes
Protection rating	IP40
Series	ESBF
Temperature (max.)	60
Weight	1.4 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	32
Stroke [mm]	200
Piston rod thread	M10x1,25
Reversing play [µm]	30
Spindle diameter [mm]	12
Spindle pitch [mm/U]	5,0
Max. twist angle of the piston rod ± [deg]	0,25
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]	0,560
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]	1,1
Max. radial force on drive shaft [N]	115
Max. feed force Fx [N]	1.000
Empty run actuator torque [Nm]	0,10
Guideline payload, horizontal [KGM]	100
Guideline payload, vertical [KGM]	100
Mass inertia JH per metre stroke [kg/cm ²]	0,1220
Mass inertia JL per kg usable load [kg/cm ²]	0,00630
Mass inertia JO [kg/cm ²]	0,02300
Moving mass at 0 mm stroke [g]	281
Weight supplement per 10 mm stroke [g]	33
Base weight at 0 mm stroke [g]	781
Supplement moved mass per 10 mm stroke [g]	9
Fastening type	With female thread or accessory
Interface code actuator	D32
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