

Standards-Based Cyli DSBG-100-320-PPSA-N3 - Festo 1646824

Item no. FES-1646824

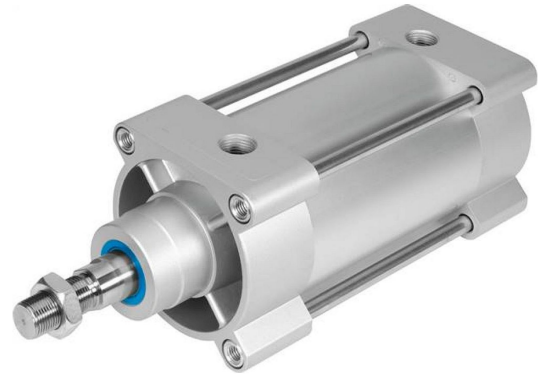
Manufacturer Festo

EAN 4052568244576

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

TECHNICAL DATA

Ausführungstyp	einseitige Kolbenstange
Betriebsdruck max [bar]	12.000000
Bore (mm)	100.000000
Corrosion resistance class CRC	2 - moderate corrosion stress
Cushioning	PPS: Self-setting pneumatic end position dampening
Design	Piston, piston rod, cylinder tube, Tension rod
Funktion	double-acting
HS-Code	84123100
Hub [mm]	320
Medium	Compressed air
Mounting position	arbitrary
Norm	ISO 15552
Operating conditions	ISO 8573-1
Pneumatic connection	G1/2
Position sensing	Yes
Series	DSBG
Temperature (max.)	80
Weight	7 kg



STANDARDS & COMPLIANCE

ISO 8573-1:2010

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.

Stroke [mm]	320
Piston diameter	100 mm
Piston rod thread	M20x1,5
Dampening	PPS: Self-setting pneumatic end position dampening
installation position	arbitrary

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Complies to standard	ISO 15552
Piston rod end	Male thread
Construction set up	Piston piston rod cylinder tube Tension rod
Position detection	For proximity switch
Variants	One-sided piston rod
Operating pressure [bar]	0.4 to 12
Principle of operation	double acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	2 - moderate corrosion stress
ambient temperature [°C]	-20 to 80
Impact energy at the end positions [J]	2,5
Dampening length [mm]	31
Theoretical force at 6 bar, Return flow [N]	4.418
Theoretical force at 6 bar, flow [N]	4712
Moving mass at 0 mm stroke [g]	1.000
Weight supplement per 10 mm stroke [g]	94
Base weight at 0 mm stroke [g]	3.665
Supplement moved mass per 10 mm stroke [g]	39
Fastening type	With female thread With Accessories Selectively:
Pneumatic connection	G1/2
Material information	RoHs compliant
Cover material	Alu-Druckguss, beschichtet
Werkstoff Kolbendichtung	TPE-U(PU)
Piston material	Aluminium wrought alloy
Piston rod material	High-alloyed steel
Werkstoff Kolbenstangen-Dichtabstreifer	TPE-U(PU)
Werkstoff Pufferdichtung	TPE-U(PU)
Werkstoff Pufferkolben	POM
Cylinder tube material	Aluminium-Knetlegierung, gleiteloxiert
Nut material	Zinc plated steel
Bearing material	POM
Werkstoff Bundmutter	Zinc-plated steel
Tension anchor material	High-alloyed steel