

Standards-Based Cyli DSBG-100-80-PPSA-N3 - Festo 1646818

Item no. FES-1646818

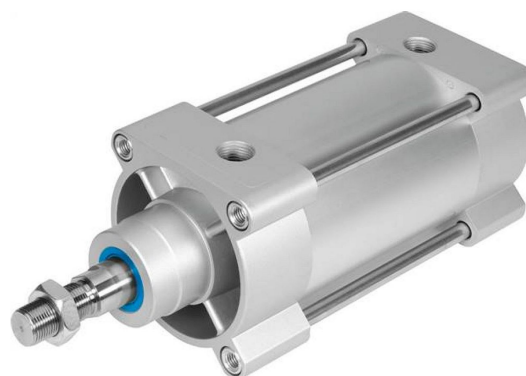
Manufacturer Festo

EAN 4052568244514

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

TECHNICAL DATA

Betriebsdruck max [bar]	12.000000
Bohrung (mm)	100.000000
HS-Code	84123100
Hub [mm]	80.000000
Pneumatischer Anschluss	G1/2
Weight	4.4 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]	80
Piston diameter	100 mm
Piston rod thread	M20x1,5
Dampening	PPS: Self-setting pneumatic end position dampening
installation position	arbitrary
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

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Page 1/2

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