

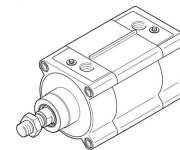
# Standards-Based Cyli DSBF-C-100-50-PPVA-N3-R - Festo 1782255

<b>Item no.</b>	FES-1782255	<b>Manufacturer</b>	Festo
<b>Manufacturer no.</b>	DSBF-C-100-50-PPVA-N3-R	<b>EAN</b>	4052568248000

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

## TECHNICAL DATA

Article authenticity	<b>Original product</b>
Betriebsdruck max [bar]	<b>12.000000</b>
Bohrung (mm)	<b>100.000000</b>
Condition of article	<b>New</b>
HS-Code	<b>84123100</b>
Hub [mm]	<b>50.000000</b>
Pneumatischer Anschluss	<b>G1/2</b>
Weight	<b>4.551 kg</b>



## 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]	50
Piston diameter	100 mm
Piston rod thread	M20x1,5
Dampening installation position	PPV: Pneumatic dampening both sides adjustable arbitrary
Complies to standard	ISO 15552
Piston rod end	Male thread
Construction set up	Piston piston rod profile tube
Position detection	For proximity switch

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	3 - severe 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]	4.712
Moving mass at 0 mm stroke [g]	1.045
Weight supplement per 10 mm stroke [g]	106
Base weight at 0 mm stroke [g]	4.551
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 stainless steels
Werkstoff Kolbenstangen-Dichtabstreifer	TPE-U(PU)
Werkstoff Pufferdichtung	TPE-U(PU)
Werkstoff Pufferkolben	POM
Cylinder tube material	Aluminium wrought alloy, anodised
Nut material	High-alloyed stainless steels
Bearing material	POM
Flush screw material	Zinc plated steel