

Standards-Based Cyli DSBF-C-50-160-PPSA-N3-R - Festo 1780289

Item no. FES-1780289

Manufacturer Festo

EAN 4052568247669

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

TECHNICAL DATA

Betriebsdruck max [bar]	12.000000
Bore (mm)	50.000000
Corrosion resistance class CRC	3 - severe corrosion stress
Cushioning	PPS: Self-setting pneumatic end position dampening
Design	Piston, piston rod, profile tube
Funktion	double-acting
HS-Code	84123100
Hub [mm]	160
Medium	Compressed air
Mounting position	arbitrary
Norm	ISO 15552
Pneumatic connection	G1/4
Position sensing	Yes
Series	DSBF
Temperature (max.)	80
Weight	2.2 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]	160
Piston diameter	50 mm
Piston rod thread	M16x1,5
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 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]	1,0
Dampening length [mm]	22
Theoretical force at 6 bar, Return flow [N]	990
Theoretical force at 6 bar, flow [N]	1.178
Moving mass at 0 mm stroke [g]	363
Weight supplement per 10 mm stroke [g]	58
Base weight at 0 mm stroke [g]	1.241
Supplement moved mass per 10 mm stroke [g]	25
Fastening type	With female thread With Accessories Selectively:
Pneumatic connection	G1/4
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