

# Round cylinder DSNU-1/2"-1/2"-P-A-B

Part number: 546387

FESTO



## Data sheet

Feature	Value
Stroke	0.5 in
Piston diameter	1/2"
Piston rod thread	10-32 UNF-2A
Based on standard	ISO 6432
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Piston-rod end	Male thread
Design	Piston Piston rod
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 °F...176 °F
Impact energy in end positions	0.0516 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	11.4 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	15.3 lbf
Moving mass for 0 mm stroke	0.653 oz
Additional moving mass per 10 mm stroke	0.071 oz
Basic weight for 0 mm stroke	2.65 oz
Additional weight per 10 mm stroke	0.141 oz
Type of mounting	With accessories
Pneumatic connection	10-32 UNF-2B
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)

Feature	Value
Material piston rod	High-alloy stainless steel
Material cylinder barrel	High-alloy stainless steel