

Round cylinder

DSNU-1/2"-1/2"-P-A-B

Part number: 546387

FESTO

Based on DIN ISO 6432, for position sensing Various mounting options, with or without additional mounting components. With flexible cushioning rings in the end positions.



Data sheet

Feature	Value
Stroke	0.5 "
Piston diameter	1/2"
Piston rod thread	10-32 UNF-2A
Based on the standard	ISO 6432
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Piston-rod end	Male thread
Design structure	Piston Piston rod
Position detection	For proximity sensor
Variants	Single-ended piston rod
Operating pressure MPa	0.1 ... 1 MPa
Working pressure	1 ... 10 bar
Mode of operation	double-acting
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 ... 176 °F
Impact energy in end positions	0.0516 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	11.4 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	15.3 lbf
Moving mass with 0 mm stroke	0.653 oz
Additional mass factor per 10 mm of stroke	0.071 oz
Basic weight for 0 mm stroke	2.646 oz
Additional weight per 10 mm stroke	0.141 oz
Mounting type	with accessories
Pneumatic connection	10-32 UNF-2B
Material cover	Wrought Aluminum alloy
Material seals	NBR TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	High alloy steel, non-corrosive