Compact cylinder
ADN-1/2"-1/2"-A-P-A

Part number: 557020



Data sheet

Feature	Value
Stroke	0.5 in
Piston diameter	1/2"
Piston rod thread	10-32 UNF-2A
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Mode of operation	Double-acting
Piston-rod end	Male thread
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Piston rod at one end
Operating pressure	0.1 MPa...1 MPa 1 bar...10 bar 14.5 psi...145 psi
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	0.052 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	11.5 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	15.3 lbf
Moving mass for 0 mm stroke	0.319 oz
Additional moving mass per 10 mm stroke	0.425 oz
Basic weight for 0 mm stroke	2.73 oz
Additional weight per 10 mm stroke	0.071 oz
Type of mounting	Either: With through-hole With female thread With accessories
Pneumatic connection	10-32 UNF-2B

Feature	Value
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy
Material dynamic seals	TPE-U(PU)
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy