

# Compact cylinder ADNGF-1"-1/4"-P-A

Part number: 557 223

**FESTO**



## Data sheet

Feature	Value
Stroke	0.25 in
Piston diameter	1 "
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Protection against torque/guide	Guide rod with yoke
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	0.221 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	55.5 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	66.3 lbf
Moving mass for 0 mm stroke	3.01 oz
Additional moving mass per 10 mm stroke	0.991 oz
Basic weight for 0 mm stroke	6.76 oz
Additional weight per 10 mm stroke	0.389 oz
Type of mounting	Either: With through-hole Via female thread With accessories
Pneumatic connection	10-32 UNF-2B
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy

Feature	Value
Material seals	NBR
Material dynamic seals	TPE-U(PU)
Material end plate	Anodised wrought aluminium alloy
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy