

Compact cylinder ADNGF-3"- -

Part number: 557270

FESTO



Data sheet

Feature	Value
Stroke	0.197 in...11.8 in
Piston diameter	3"
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
Variants	Through piston rod
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	1.33 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	636 lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	636 lbf...678 lbf
Moving mass for 0 mm stroke	27.5 oz
Additional moving mass per 10 mm stroke	3.43 oz
Basic weight for 0 mm stroke	59.4 oz
Additional weight per 10 mm stroke	1.52 oz
Type of mounting	Either: With through-hole Via female thread With accessories
Pneumatic connection	1/8 NPT
Material collar screws	Steel

Feature	Value
Material cover	Die-cast aluminium, coated
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