

# Compact cylinder ADN-1" - -

Part number: 557063

**FESTO**



## Data sheet

Feature	Value
Stroke	0.039 in...11.8 in
Piston diameter	1 "
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Double-acting
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Extended male piston rod thread Extended piston rod With protection against rotation High corrosion protection Reinforced piston rod Through piston rod Through, hollow piston rod Heat-resistant seals max. 120°C Piston rod at one end
Protection against torque/guide	Square piston rod
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 3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-4 °F...248 °F
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	55.5 lbf...66.3 lbf
Type of mounting	With through-hole Via female thread With accessories Either:

Feature	Value
Pneumatic connection	10-32 UNF-2B
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy