

Compact cylinder ADN-1" - -

Part number: 557063

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	0.9906 mm ... 299.9994 mm
Piston diameter	1"
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Double-acting
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Extended external thread piston rod Extended piston rod With anti-twist protection 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 torsion/guide	Square piston rod
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Operating pressure	14.5 psi ... 145 psi
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 120 °C
Theoretical force at 6 bar, retracting	247.001 N
Theoretical force at 6 bar, advancing	247.001 N ... 295.002 N
Type of mounting	With through-hole With internal thread With accessories
Pneumatic connection	10-32 UNF-2B
Flange screws material	Steel
Cover material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel

Feature	Value
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized