

Compact cylinder ADN-125- -

Part number: 536393

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 500 mm
Piston diameter	125 mm
Short type code	ADN
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	EX protection approval (ATEX) Improved running performance Extended male piston rod thread Piston rod with special thread Extended piston rod With protection against rotation High corrosion protection Uniform, slow movement Low friction Through piston rod Through, hollow piston rod Heat-resistant seals max. 120 °C Laser etched rating plate Piston rod at one end
Operating pressure	0.6 bar ... 10 bar
Mode of operation	Double-acting
ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex h IIC T4 Gb
ATEX category dust	II 2D
Explosion ignition protection type for dust	Ex h IIIC T120°C Db
Explosion ambient temperature	-20°C ≤ Ta ≤ +60°C
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)
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)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)

Feature	Value
Corrosion resistance class CRC	2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-20 °C ... 120 °C
Theoretical force at 6 bar, return stroke	7069 N
Theoretical force at 6 bar, advance stroke	7069 N ... 7363 N
Moving mass for 0 mm stroke	1080 g
Additional weight per 10 mm stroke	117 g
Basic weight for 0 mm stroke	2880 g
Additional moving mass per 10 mm stroke	39 g
Type of mounting	With through-hole Via female thread With accessories Either:
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Material cover	Aluminium Anodised
Material piston rod	High-alloy steel
Material cylinder barrel	Wrought aluminium alloy Smooth anodised