

Compact cylinder ADN-25- -

Part number: 536250

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 300 mm
Piston diameter	25 mm
Short type code	ADN
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends Self-adjusting pneumatic end-position cushioning
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 Dust protection Reinforced piston rod Uniform, slow movement Low friction Through piston rod Through, hollow piston rod Heat-resistant seals max. 120 °C Laser etched rating plate Temperature range -40 to 80°C Piston rod at one end Recommended for production facilities for the manufacture of lithium-ion batteries
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)

Feature	Value
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)
Corrosion resistance class CRC	0 - No corrosion stress 2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-40 °C ... 120 °C
Theoretical force at 6 bar, return stroke	247 N
Theoretical force at 6 bar, advance stroke	247 N ... 295 N
Moving mass for 0 mm stroke	50 g
Additional weight per 10 mm stroke	23 g
Basic weight for 0 mm stroke	156 g
Additional moving mass per 10 mm stroke	6 g
Type of mounting	With through-hole Via female thread With accessories Either:
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Aluminium Anodised
Material piston rod	High-alloy steel
Material cylinder barrel	Wrought aluminium alloy Smooth anodised