

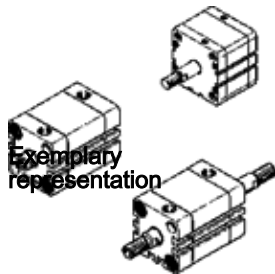
compact cylinder ADN-63- -

Part number: 536330

☆ Core product range

FESTO

In accordance with ISO 21287, for position sensing, with male or female thread on the piston rod.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	values
Stroke	1 ... 400 mm
Piston diameter	63 mm
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends PPS: Self-adjusting pneumatic end-position cushioning
Assembly position	Any
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	EX protection approval (ATEX) improved running performance Extended male piston rod thread special thread on piston rod Extended piston rod With protection against rotation Excellent corrosion protection Dust protection reinforced piston rod Constant slow movement Low-friction Through piston rod through, hollow piston rod Heat resistant seals, max. 120°C laser etched rating plate Temperature range -40 - 80 °C Single-ended piston rod
Operating pressure	0.6 ... 10 bar
Mode of operation	double-acting
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c 120°C
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-40 ... 120 °C

Feature	values
Theoretical force at 6 bar, return stroke	1,750 N
Theoretical force at 6 bar, advance stroke	1,750 ... 1,870 N
Moving mass with 0 mm stroke	180 g
Additional weight per 10 mm stroke	59 g
Basic weight for 0 mm stroke	722 g
Additional mass factor per 10 mm of stroke	16 g
Mounting type	Optional with through hole with internal (female) thread with accessories
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for cover	Aluminium Anodised
Materials information for piston rod	High alloy steel
Materials information for cylinder barrel	Wrought Aluminium alloy Smooth anodised