

Compact air cylinder ADN-12- -

Part number: 536203

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 300 mm
Piston diameter	12 mm
Type code	ADN
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Low friction High corrosion protection Constant, slow movement Heat-resistant seals max. 120°C Extended external thread piston rod Through piston rod Piston rod at one end Extended piston rod With anti-twist protection Special thread on piston rod Explosion protection certification (ATEX) Laser etched rating plate
Operating pressure	1 bar ... 10 bar
Mode of operation	Double-acting
ATEX category gas	II 2G
Type of ignition protection for gas	c T4
ATEX category for dust	II 2D
Type of (ignition) protection for dust	c 120°C
Explosive ambient temperature	-20°C ≤ Ta ≤ +60°C
Explosion prevention and protection	Zone 22 (ATEX) Zone 21 (ATEX) Zone 2 (ATEX) Zone 1 (ATEX)
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)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-20 °C ... 120 °C

Feature	Value
Theoretical force at 6 bar, retracting	51 N
Theoretical force at 6 bar, advancing	51 N ... 68 N
Moving mass at 0 mm stroke	9 g
Additional weight per 10 mm stroke	12 g
Basic weight with 0 mm stroke	77 g
Additional moving mass per 10 mm stroke	2 g
Type of mounting	With through-hole With accessories Optionally: With internal thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Anodized Aluminum
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized