

# Compact air cylinder ADN-40- -

Part number: 536288

**FESTO**



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 400 mm
Piston diameter	40 mm
Type code	ADN
Based on norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Explosion protection certification (ATEX) Increased service life Extended external thread piston rod Special thread on piston rod Extended piston rod With anti-twist protection High corrosion protection Dust protection Reinforced piston rod Constant, slow movement Low friction Through piston rod Continuous, 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
Type of ignition protection for gas	Ex h IIC T4 Gb
ATEX category for dust	II 2D
Type of (ignition) protection for dust	Ex h IIIC T120°C Db
Explosive ambient temperature	-20°C ≤ Ta ≤ +60°C
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)

Feature	Value
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)	0 - No corrosion stress 2 - Moderate corrosion stress 3 - High corrosion stress
Ambient temperature	-40 °C ... 120 °C
Theoretical force at 6 bar, retracting	686 N
Theoretical force at 6 bar, advancing	686 N ... 754 N
Moving mass at 0 mm stroke	80 g
Additional weight per 10 mm stroke	37 g
Basic weight with 0 mm stroke	346 g
Additional moving mass per 10 mm stroke	9 g
Type of mounting	With through-hole With internal thread With accessories Optionally:
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover material	Aluminum Anodized
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy Smooth anodized