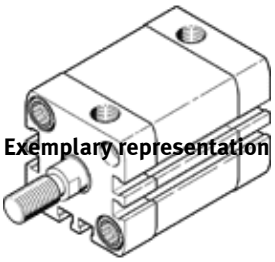
compact cylinder
ADN-16- -

Part number: 536218
★ Core product range

For position sensing, with male or female thread on the piston rod.



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 300 mm
Piston diameter	16 mm
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	EX protection approval (ATEX) Extended male piston rod thread Piston rod with special thread Extended piston rod With protection against rotation Excellent corrosion protection Constant slow movement Low-friction Through piston rod Through, hollow piston rod Heat resistant seals, max. 120°C laser etched rating plate Single-ended piston rod Recommended for production facilities for the manufacture of lithium-ion batteries
Operating pressure MPa	0.1 ... 1 MPa
Operating pressure	1 ... 10 bar
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category Gas	II 2G
ATEX category Dust	II 2D
Explosion ignition protection type Gas	Ex h IIC T4 Gb
Explosion ignition protection type Dust	Ex h IIIC T120°C Db
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)
Corrosion resistance classification CRC	0 - No corrosion stress 2 - Moderate corrosion stress 3 - High corrosion stress
PWIS conformity	VDMA24364-B1/B2-L VDMA24364 zone III

Feature	Value
RSBP classification to CD-0033	F1a
Ambient temperature	-20 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	90 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	90 ... 121 N
Moving mass with 0 mm stroke	15 g
Additional mass factor per 10 mm of stroke	4 g
Basic weight for 0 mm stroke	79 g
Additional weight per 10 mm stroke	14 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material of flange screw	Steel
Material cover	Anodised wrought aluminium alloy
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy