

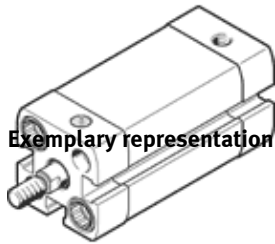
Compact cylinder

AEN-12- -

Part number: 536414

FESTO

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



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 10 mm
Piston diameter	12 mm
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	single-acting pushing action pulling action
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	improved running performance Extended male piston rod thread Piston rod with special thread Extended piston rod Heat resistant seals, max. 120°C laser etched rating plate Pulling Single-ended piston rod
Operating pressure MPa	0.15 ... 1 MPa
Working pressure	1.5 ... 10 bar
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	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	35 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	54 N
Moving mass with 0 mm stroke	9 g
Additional mass factor per 10 mm of stroke	2 g
Basic weight for 0 mm stroke	77 g
Additional weight per 10 mm stroke	12 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