

Compact cylinder AEN-12- -

Part number: 536414

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 10 mm
Piston diameter	12 mm
Based on standard	ISO 21287
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
Mode of operation	Pushing Single-acting Pulling
Design	Piston Piston rod Profile barrel
Position detection	Via proximity switch
Variants	Improved running performance Extended male piston rod thread Custom thread on the piston rod Extended piston rod Heat-resistant seals max. 120°C Laser etched rating plate Pulling Piston rod at one end
Operating pressure	0.15 MPa ... 1 MPa
Operating pressure	1.5 bar ... 10 bar
Operating pressure	21.75 psi ... 145 psi
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	35 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	54 N
Additional weight per piston rod extension of 10 mm	2 g
Additional weight per piston rod thread extension of 10 mm	2 g
Type of mounting	Either: With through-hole Via female thread With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant

Feature	Value
Material collar screws	Steel
Material cover	Anodised wrought aluminium alloy
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy