

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 norm	ISO 21287
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Mode of operation	Pushing Single-acting Pulling
Structural design	Piston Piston rod Profile barrel
Position sensing	For proximity sensor
Variants	Improved running performance Extended external thread piston rod Special thread on 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 as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 °C ... 120 °C
Theoretical force at 6 bar, retracting	35 N
Theoretical force at 6 bar, advancing	54 N
Weight surcharge per 10 mm piston rod extension	2 g
Weight surcharge per 10 mm piston rod thread extension	2 g
Type of mounting	With through-hole With internal thread With accessories
Pneumatic connection	M5
Note on materials	RoHS-compliant
Flange screws material	Steel

Feature	Value
Cover material	Wrought aluminum alloy, anodized
Piston rod material	High-alloy steel
Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized