

Compact cylinder AEN-80- -

Part number: 536422

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm ... 25 mm
Piston diameter	80 mm
Cushioning	Elastic cushioning rings/pads at both ends
Mounting position	Any
Conforms to standard	ISO 21287
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 With anti-twist protection Heat-resistant seals max. 120°C Laser etched rating plate Pulling Piston rod at one end
Operating pressure	0.1 MPa ... 1 MPa
Operating pressure	1 bar ... 10 bar
Mode of operation	Pushing Single-acting Pulling
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	2640 N
Theoretical force at 6 bar, advancing	2810 N
Weight surcharge per 10 mm piston rod extension	25 g
Weight surcharge per 10 mm piston rod thread extension	16 g
Type of mounting	With through-hole With internal thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Flange screws material	Steel
Cover material	Die-cast aluminum, coated

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