

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/plates at both ends
Mounting position	Any
Conforms to standard	ISO 21287
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 With protection against rotation 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 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	2640 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	2810 N
Additional weight per piston rod extension of 10 mm	25 g
Additional weight per piston rod thread extension of 10 mm	16 g
Type of mounting	With through-hole With female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Material collar screws	Steel

Feature	Value
Material cover	Coated die-cast aluminium
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy