

Compact cylinder AEN-100- -

Part number: 536423

FESTO



Data sheet

Feature	Value
Stroke	1 mm...25 mm
Piston diameter	100 mm
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	optional
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 1 bar...10 bar
Mode of operation	Single-acting Pushing 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	4230 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	4416 N
Additional weight per piston rod extension of 10 mm	25 g
Additional weight per piston rod thread extension of 10 mm	16 g

Feature	Value
Type of mounting	Either: With through-hole Via female thread With accessories
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material collar screws	Steel
Material cover	Die-cast aluminium, coated
Material piston rod	High-alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy