

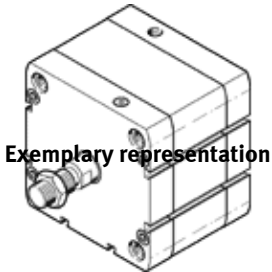
compact cylinder

AEN-80- -

Part number: 536422

FESTO

In accordance with ISO 21287, for position sensing, with male or female thread on the piston rod.



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 25 mm
Piston diameter	80 mm
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Conforms to standard	ISO 21287
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	improved running performance Extended male piston rod thread Piston rod with special thread Extended piston rod With protection against rotation Heat resistant seals, max. 120°C laser etched rating plate Pulling Single-ended piston rod
Operating pressure MPa	0.1 ... 1 MPa
Operating pressure	1 ... 10 bar
Mode of operation	single-acting pushing action pulling action
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 ... 120 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,640 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	2,810 N
Moving mass with 0 mm stroke	400 g
Additional mass factor per 10 mm of stroke	25 g
Basic weight for 0 mm stroke	1,121 g
Additional weight per 10 mm stroke	79 g
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material of flange screw	Steel
Material cover	Die-cast aluminium, coated
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy