

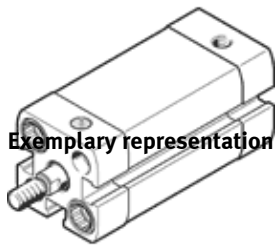
compact cylinder

AEN-1/2"- -

Part number: 557188

FESTO

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	0.039 ... 0.393 "
Piston diameter	1/2"
Based on the standard	ISO 21287
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	single-acting
Design structure	Piston Piston rod Profile barrel
Position detection	For proximity sensor
Variants	Extended male piston rod thread Extended piston rod Heat resistant seals, max. 120°C Single-ended piston rod
Protection against torque/guide	Square piston rod
Operating pressure MPa	0.1 ... 1 MPa
Operating pressure	1 ... 10 bar 14.5 ... 145 psi
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	-4 ... 248 °F
Impact energy in end positions	0.03 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	15.287 lbf
Mounting type	with through hole with internal (female) thread with accessories Optional
Pneumatic connection	10-32 UNF-2B
Material of flange screw	Steel
Material cover	Anodised wrought aluminium alloy
Material piston rod	High alloy steel
Material cylinder barrel	Smooth-anodised wrought aluminium alloy