

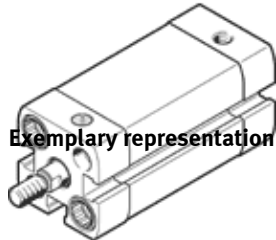
# compact cylinder

## AEN-1"- -

Part number: 557191

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	0.039 ... 0.984 "
Piston diameter	1"
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 With protection against rotation 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	0.059 ft-lbf
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	66.319 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