

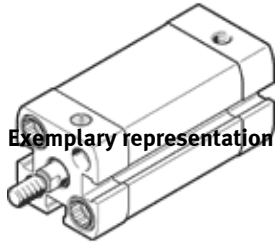
Compact cylinder

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 |
| Working pressure | 1 ... 10 bar |
| Operating pressure | 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 |