

Compact air cylinder

AEN-50- -

Part number: 536420

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 1 mm...25 mm |
| Piston diameter | 50 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Conforms to standard | ISO 21287 |
| Structural design | Piston Piston rod Profile barrel |
| Position sensing | For proximity sensor |
| Variants | Improved running performance Extended external thread piston rod Special thread on piston rod Extended piston rod With anti-twist protection 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 | Pushing Single-acting Pulling |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...120 °C |
| Theoretical force at 6 bar, retracting | 945 N |
| Theoretical force at 6 bar, advancing | 1065 N |
| Weight surcharge per 10 mm piston rod extension | 16 g |
| Weight surcharge per 10 mm piston rod thread extension | 9 g |
| Type of mounting | With through-hole With internal thread With accessories Optionally: |

| Feature | Value |
|-----------------------------|---|
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |
| Flange screws material | Steel |
| Cover material | Wrought aluminum alloy, anodized |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |