

Compact air cylinder ADVU-100-50-P-A

Part number: 156583

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 100 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | Internal thread |
| Structural design | Piston Piston rod |
| Position sensing | For proximity sensor |
| Variants | Piston rod at one end |
| Operating pressure | 0.06 MPa...1 MPa 0.6 bar...10 bar 8.7 psi...145 psi |
| 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...80 °C |
| Impact energy in the end positions | 1 J |
| Theoretical force at 6 bar, retracting | 4418 N |
| Theoretical force at 6 bar, advancing | 4712 N |
| Moving mass at 0 mm stroke | 614 g |
| Additional moving mass per 10 mm stroke | 38 g |
| Basic weight with 0 mm stroke | 2797 g |
| Additional weight per 10 mm stroke | 177 g |
| Type of mounting | With through-hole With accessories Optionally: |
| Pneumatic connection | G1/4 |
| Flange screws material | Steel, galvanized |
| Cover material | Wrought aluminum alloy |
| Material of dynamic seals | NBR TPE-U(PU) |

| Feature | Value |
|-----------------------------|------------------------|
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy |