

# Compact air cylinder ADVU-50- -P-A-S6

Part number: 156036

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 1 mm...300 mm  |
| Piston diameter                          | 50 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<br>Piston rod   |
| Position sensing                         | For proximity sensor   |
| Variants                                 | Heat-resistant seals max. 120°C                                    |
| Operating pressure                       | 0.08 MPa...1 MPa<br>0.8 bar...10 bar<br>11.6 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                      | 0 °C...120 °C  |
| Impact energy in the end positions       | 0.64 J   |
| Theoretical force at 6 bar, retracting   | 1057 N   |
| Theoretical force at 6 bar, advancing    | 1178 N   |
| Moving mass at 0 mm stroke               | 112 g  |
| Additional moving mass per 10 mm stroke  | 16 g   |
| Basic weight with 0 mm stroke            | 560 g  |
| Additional weight per 10 mm stroke       | 72 g   |
| Type of mounting                         | Optionally:<br>With through-hole<br>With accessories               |
| Pneumatic connection                     | G1/8   |
| Flange screws material                   | Steel, galvanized  |
| Cover material                           | Wrought aluminum alloy   |
| Material of dynamic seals                | FPM  |
| Piston rod material                      | High-alloy steel   |

| Feature                     | Value                  |
|-----------------------------|------------------------|
| Material of cylinder barrel | Wrought aluminum alloy |