

# Compact air cylinder ADVU-63-50-A-P-A

Part number: 156651

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 50 mm  |
| Piston diameter                          | 63 mm  |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any  |
| Mode of operation                        | Double-acting  |
| Piston rod end                           | External thread  |
| Structural design                        | Piston<br>Piston rod   |
| Position sensing                         | For proximity sensor   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.06 MPa...1 MPa<br>6 bar...10 bar<br>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       | 0.7 J  |
| Theoretical force at 6 bar, retracting   | 1750 N   |
| Theoretical force at 6 bar, advancing    | 1870 N   |
| Moving mass at 0 mm stroke               | 134 g  |
| Additional moving mass per 10 mm stroke  | 16 g   |
| Basic weight with 0 mm stroke            | 1059 g   |
| Additional weight per 10 mm stroke       | 107 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                | NBR<br>TPE-U(PU)   |

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