

# Compact air cylinder ADVU-40-5-A-P-A

Part number: 156626

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 5 mm   |
| Piston diameter                          | 40 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                       | 0.08 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                      | -20 °C...80 °C   |
| Impact energy in the end positions       | 0.52 J   |
| Theoretical force at 6 bar, retracting   | 686 N  |
| Theoretical force at 6 bar, advancing    | 754 N  |
| Moving mass at 0 mm stroke               | 63 g   |
| Additional moving mass per 10 mm stroke  | 9 g  |
| Basic weight with 0 mm stroke            | 433 g  |
| Additional weight per 10 mm stroke       | 59 g   |
| Type of mounting                         | With through-hole<br>With accessories<br>Optionally:               |
| 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 |