

# Compact air cylinder ADVU-100-25-P-A

Part number: 156580

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 25 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<br>Piston rod   |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00991217   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.06 MPa ... 1 MPa   |
| Operating pressure                       | 0.6 bar ... 10 bar   |
| Operating pressure                       | 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                         | Optionally:<br>With through-hole<br>With accessories               |
| Pneumatic connection                     | G1/4   |
| Flange screws material                   | Steel, galvanized  |
| Cover material                           | Wrought aluminum alloy   |
| Material of dynamic seals                | NBR<br>TPE-U(PU)   |
| Piston rod material                      | High-alloy steel   |
| Material of cylinder barrel              | Wrought aluminum alloy   |