

# Compact cylinder ADVU-50-10-A-P-A

Part number: 156636

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10 mm                                                              |
| Piston diameter                          | 50 mm                                                              |
| Piston rod thread                        | M12x1.25                                                           |
| 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                                               |
| Symbol                                   | 00991217                                                           |
| Variants                                 | Piston rod at one end                                              |
| Operating pressure                       | 0.08 MPa ... 1 MPa                                                 |
| Operating pressure                       | 0.8 bar ... 10 bar                                                 |
| Operating pressure                       | 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       | 0.64 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                         | 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)                                                   |
| Piston rod material                      | High-alloy steel                                                   |
| Material of cylinder barrel              | Wrought aluminum alloy                                             |