

# 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/plates at both ends   |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod   |
| Position detection   | Via proximity switch   |
| 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 to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -20 °C ... 80 °C   |
| Impact energy in end positions                               | 0.64 J   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 1057 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N   |
| Moving mass for 0 mm stroke                                  | 112 g  |
| Additional moving mass per 10 mm stroke                      | 16 g   |
| Basic weight for 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   |
| Material collar screws                                       | Galvanised steel   |
| Material cover   | Wrought aluminium alloy  |
| Material dynamic seals                                       | NBR<br>TPE-U(PU)   |
| Material piston rod  | High-alloy steel   |
| Material cylinder barrel                                     | Wrought aluminium alloy  |