

# Compact cylinder ADVU-80- -A-P-A

Part number: 156048

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 1 mm...400 mm  |
| Piston diameter  | 80 mm  |
| 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   |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.06 MPa...1 MPa<br>0.6 bar...10 bar<br>8.7 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                               | 0.75 J   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 2827 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 3016 N   |
| Moving mass for 0 mm stroke                                  | 307 g  |
| Additional moving mass per 10 mm stroke                      | 25 g   |
| Basic weight for 0 mm stroke                                 | 1772 g   |
| Additional weight per 10 mm stroke                           | 168 g  |
| Type of mounting   | With through-hole<br>With accessories<br>Either:   |
| Pneumatic connection   | G1/8   |
| Material collar screws                                       | Galvanised steel   |
| Material cover   | Wrought aluminium alloy  |

| <b>Feature</b>           | <b>Value</b>            |
|--------------------------|-------------------------|
| Material dynamic seals   | NBR<br>TPE-U(PU)        |
| Material piston rod      | High-alloy steel        |
| Material cylinder barrel | Wrought aluminium alloy |