

# compact cylinder

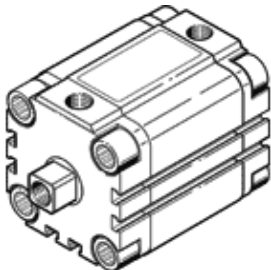
## ADVULQ-80-50-P-A

Part number: 156746  
Classic - do not use for new projects

FESTO

For proximity sensing. Secured against rotation by means of square piston rod. Piston-rod end with female thread.

Modern alternatives can be found by entering the first four characters of the type code in the search field.



### Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 50 mm   |
| Piston diameter                            | 80 mm   |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any   |
| Mode of operation                          | double-acting   |
| Piston-rod end                             | Female thread   |
| Design structure                           | Piston<br>Piston rod  |
| Position detection                         | For proximity sensor  |
| Variants                                   | Single-ended piston rod   |
| Protection against torque/guide            | Square piston rod   |
| Operating pressure                         | 0.6 ... 10 bar  |
| Operating medium                           | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium         | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC    | 2 - Moderate corrosion stress   |
| Ambient temperature                        | -20 ... 80 °C   |
| Impact energy in end positions             | 0.75 J  |
| Theoretical force at 6 bar, return stroke  | 2,827 N   |
| Theoretical force at 6 bar, advance stroke | 3,016 N   |
| Moving mass with 0 mm stroke               | 307 g   |
| Additional weight per 10 mm stroke         | 168 g   |
| Basic weight for 0 mm stroke               | 1,772 g   |
| Additional mass factor per 10 mm of stroke | 25 g  |
| Mounting type                              | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                       | G1/8  |
| Material of flange screw                   | steel, galvanized   |
| Material cover                             | Wrought Aluminium alloy   |
| Material of dynamic seals                  | NBR<br>TPE-U(PU)  |
| Material piston rod                        | High alloy steel  |
| Material cylinder barrel                   | Wrought Aluminium alloy   |