

## compact cylinder ADVU-16-10-A-P-A

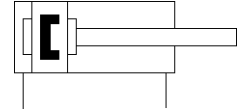
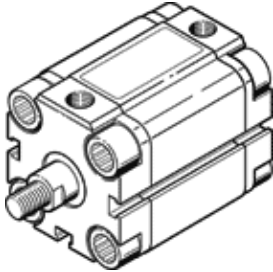
Part number: 156594

Classic - do not use for new projects

**FESTO**

For proximity sensing, piston-rod end with male 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                                     | 10 mm                                                                       |
| Piston diameter                            | 16 mm                                                                       |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any                                                                         |
| Mode of operation                          | double-acting                                                               |
| Piston-rod end                             | Male thread                                                                 |
| Design structure                           | Piston<br>Piston rod                                                        |
| Position detection                         | For proximity sensor                                                        |
| Variants                                   | Single-ended piston rod                                                     |
| Operating pressure                         | 1.2 ... 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             | 0.1 J                                                                       |
| Theoretical force at 6 bar, return stroke  | 90 N                                                                        |
| Theoretical force at 6 bar, advance stroke | 121 N                                                                       |
| Moving mass with 0 mm stroke               | 12 g                                                                        |
| Additional weight per 10 mm stroke         | 15 g                                                                        |
| Basic weight for 0 mm stroke               | 89 g                                                                        |
| Additional mass factor per 10 mm of stroke | 4 g                                                                         |
| Mounting type                              | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                       | M5                                                                          |
| Material of flange screw                   | High alloy steel, non-corrosive                                             |
| Material cover                             | Wrought Aluminium alloy                                                     |
| Material of dynamic seals                  | NBR<br>TPE-U(PU)                                                            |
| Material piston rod                        | High alloy steel, non-corrosive                                             |
| Material cylinder barrel                   | Wrought Aluminium alloy                                                     |