

## compact cylinder ADVULQ-100-10-A-P-A

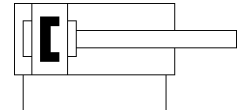
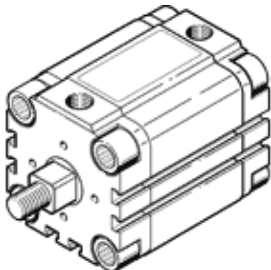
Part number: 156835

Classic - do not use for new projects

FESTO

For proximity sensing. Secured against rotation by means of square piston rod.

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                            | 100 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                                                     |
| 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             | 1 J                                                                         |
| Theoretical force at 6 bar, return stroke  | 4,418 N                                                                     |
| Theoretical force at 6 bar, advance stroke | 4,712 N                                                                     |
| Moving mass with 0 mm stroke               | 614 g                                                                       |
| Additional weight per 10 mm stroke         | 177 g                                                                       |
| Basic weight for 0 mm stroke               | 2,797 g                                                                     |
| Additional mass factor per 10 mm of stroke | 38 g                                                                        |
| Mounting type                              | with through hole<br>with accessories<br>Optional                           |
| Pneumatic connection                       | G1/4                                                                        |
| 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                                                     |