

# Compact cylinder

## AEVULQZ-100- -A-P-A-S6

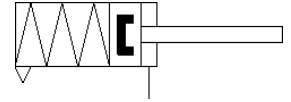
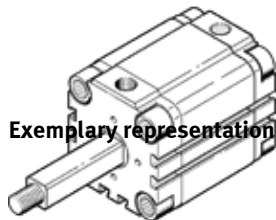
Part number: 156459  
Classic

FESTO

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

Type to be discontinued. Available until 2019. See Support Portal for alternative products.

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



### Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 1 ... 25 mm   |
| Piston diameter                            | 100 mm  |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any   |
| Mode of operation                          | single-acting<br>pulling action   |
| Piston-rod end                             | Male thread   |
| Design structure                           | Piston<br>Piston rod  |
| Position detection                         | For proximity sensor  |
| Variants                                   | Heat resistant seals, max. 120°C  |
| Protection against torque/guide            | Square piston rod   |
| Working pressure                           | 0.8 ... 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                        | 0 ... 120 °C  |
| Impact energy in end positions             | 1 J   |
| Theoretical force at 6 bar, advance stroke | 4,222 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                              | Optional<br>with through hole<br>with accessories                           |
| Pneumatic connection                       | G1/4  |
| Material of flange screw                   | steel, galvanized   |
| Material cover                             | Wrought Aluminum alloy  |
| Material of dynamic seals                  | FPM   |
| Material piston rod                        | High alloy steel  |
| Material cylinder barrel                   | Wrought Aluminum alloy  |