

# Compact cylinder AEVU-80-10-A-P-A

Part number: 157014

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10 mm                                                              |
| Piston diameter                          | 80 mm                                                              |
| Piston rod thread                        | M16x1.5                                                            |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any                                                                |
| Mode of operation                        | Pushing<br>Single-acting                                           |
| Piston rod end                           | External thread                                                    |
| Structural design                        | Piston<br>Piston rod                                               |
| Position sensing                         | 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 as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                  |
| Ambient temperature                      | -20 °C...80 °C                                                     |
| Impact energy in the end positions       | 0.75 J                                                             |
| Theoretical force at 6 bar, advancing    | 2902 N                                                             |
| Moving mass at 0 mm stroke               | 307 g                                                              |
| Additional moving mass per 10 mm stroke  | 25 g                                                               |
| Basic weight with 0 mm stroke            | 1772 g                                                             |
| Additional weight per 10 mm stroke       | 168 g                                                              |
| Type of mounting                         | Alternatively:<br>With through-hole<br>With accessories            |
| Pneumatic connection                     | G1/8                                                               |
| Flange screws material                   | Steel, galvanized                                                  |
| Cover material                           | Wrought aluminum alloy                                             |
| Material of dynamic seals                | NBR                                                                |

| Feature                     | Value                  |
|-----------------------------|------------------------|
|                             | TPE-U(PU)              |
| Piston rod material         | High-alloy steel       |
| Material of cylinder barrel | Wrought aluminum alloy |