

# Compact air cylinder ADVULQ-20-50-A-P-A

Part number: 156779

FESTO



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 50 mm                                                              |
| Piston diameter                          | 20 mm                                                              |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any                                                                |
| Mode of operation                        | Double-acting                                                      |
| Piston rod end                           | External thread                                                    |
| Structural design                        | Piston<br>Piston rod                                               |
| Position sensing                         | For proximity sensor                                               |
| Variants                                 | Piston rod at one end                                              |
| Protection against torsion/guide         | Square piston rod                                                  |
| Operating pressure                       | 0.1 MPa...1 MPa<br>1 bar...10 bar<br>14.5 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       | 0.14 J                                                             |
| Theoretical force at 6 bar, retracting   | 141 N                                                              |
| Theoretical force at 6 bar, advancing    | 188 N                                                              |
| Moving mass at 0 mm stroke               | 20 g                                                               |
| Additional moving mass per 10 mm stroke  | 6 g                                                                |
| Basic weight with 0 mm stroke            | 149 g                                                              |
| Additional weight per 10 mm stroke       | 23 g                                                               |
| Type of mounting                         | Optionally:<br>With through-hole<br>With accessories               |
| Pneumatic connection                     | M5                                                                 |
| Flange screws material                   | Steel, galvanized                                                  |
| Cover material                           | Wrought aluminum alloy                                             |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
| Material of dynamic seals   | NBR<br>TPE-U(PU)           |
| Piston rod material         | High-alloy stainless steel |
| Material of cylinder barrel | Wrought aluminum alloy     |