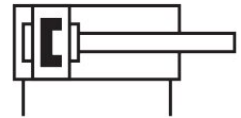
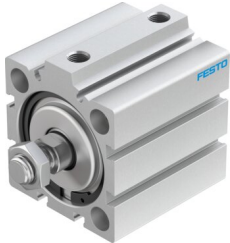


# Short-stroke cylinder ADVC-50-25-A-P-A

Part number: 188271

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 25 mm                                                              |
| Piston diameter                          | 50 mm                                                              |
| Based on norm                            | ISO 6431<br>Hole pattern<br>VDMA 24562                             |
| Cushioning                               | Elastic cushioning rings/pads at both ends                         |
| Mounting position                        | Any                                                                |
| Mode of operation                        | Double-acting                                                      |
| Structural design                        | Piston<br>Piston rod                                               |
| Position sensing                         | For proximity sensor                                               |
| 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)         | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                  |
| Ambient temperature                      | -20 °C...80 °C                                                     |
| Theoretical force at 6 bar, retracting   | 1057 N                                                             |
| Theoretical force at 6 bar, advancing    | 1178 N                                                             |
| Moving mass                              | 131 g                                                              |
| Moving mass at 0 mm stroke               | 99 g                                                               |
| Additional moving mass per 10 mm stroke  | 16 g                                                               |
| Product weight                           | 553 g                                                              |
| Basic weight with 0 mm stroke            | 431 g                                                              |
| Additional weight per 10 mm stroke       | 56 g                                                               |
| Type of mounting                         | Optionally:<br>With through-hole<br>With accessories               |
| Pneumatic connection                     | G1/8                                                               |
| Note on materials                        | RoHS-compliant                                                     |
| Cover material                           | Wrought aluminum alloy<br>Anodized                                 |

| Feature             | Value                              |
|---------------------|------------------------------------|
| Seals material      | TPE-U(PU)                          |
| Housing material    | Wrought aluminum alloy<br>Anodized |
| Piston rod material | High-alloy steel                   |