

# Short-stroke cylinder ADVC-100-10-I-P

Part number: 188336

FESTO



 General operating condition

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10 mm                                                              |
| Piston diameter                          | 100 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                         | None                                                               |
| Symbol                                   | 00991227                                                           |
| Operating pressure                       | 0.1 MPa ... 1 MPa                                                  |
| Operating pressure                       | 1 bar ... 10 bar                                                   |
| Operating pressure                       | 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)         | 1 - Low corrosion stress                                           |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                  |
| Ambient temperature                      | -20 °C ... 80 °C                                                   |
| Theoretical force at 6 bar, retracting   | 4418 N                                                             |
| Theoretical force at 6 bar, advancing    | 4712 N                                                             |
| Moving mass                              | 699 g                                                              |
| Moving mass at 0 mm stroke               | 679 g                                                              |
| Additional moving mass per 10 mm stroke  | 40 g                                                               |
| Product weight                           | 1973 g                                                             |
| Basic weight with 0 mm stroke            | 1972 g                                                             |
| Additional weight per 10 mm stroke       | 214 g                                                              |
| Type of mounting                         | With through-hole<br>With accessories                              |
| Pneumatic connection                     | G1/4                                                               |
| Note on materials                        | RoHS-compliant                                                     |
| Cover material                           | Wrought aluminum alloy<br>Anodized                                 |
| Seals material                           | NBR<br>TPE-U(PU)                                                   |
| Housing material                         | Anodized                                                           |

| Feature             | Value            |
|---------------------|------------------|
| Piston rod material | High-alloy steel |