

# Flat cylinder DZF-63-10-P-A

Part number: 164081

FESTO



 General operating condition

## Data sheet

| Feature                                      | Value  |
|--|--|
| Stroke                                       | 10 mm  |
| Piston diameter                              | 63 mm<br>Equivalent diameter                                       |
| Piston rod thread                            | M10  |
| Max. angle of rotation of the piston rod +/- | 0.4 deg  |
| 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   |
| Symbol                                       | 00991217   |
| Variants                                     | Piston rod at one end  |
| Protection against torsion/guide             | Oval piston  |
| Operating pressure                           | 0.1 MPa ... 1 MPa  |
| Operating pressure                           | 1 bar ... 10 bar   |
| 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           | 0.7 J  |
| Max. torque for protection against rotation  | 1.5 Nm   |
| Theoretical force at 6 bar, retracting       | 1682 N   |
| Theoretical force at 6 bar, advancing        | 1870 N   |
| Moving mass at 0 mm stroke                   | 337 g  |
| Additional moving mass per 10 mm stroke      | 25 g   |
| Additional weight per 10 mm stroke           | 91 g   |
| Basic weight with 0 mm stroke                | 1379 g   |
| Type of mounting                             | With internal thread<br>With accessories                           |
| Pneumatic connection                         | G1/4   |
| Cover material                               | Die-cast aluminum  |
| Seals material                               | NBR<br>TPE-U (PU)  |
| Housing material                             | Wrought aluminum alloy, anodized                                   |
| Piston seal material                         | NBR  |

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