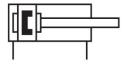
## Flat cylinder DZF-50-10-A-P-A Part number: 161293



## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 50 mm<br>Equivalent diameter   |
| Piston rod thread  | M16x1.5  |
| Torsional backlash at piston rod +/-                         | 0.5 deg  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Design   | Piston<br>Piston rod   |
| Position detection   | Via proximity switch   |
| Protection against torque/guide                              | Oval piston  |
| Operating pressure   | 0.1 MPa1 MPa<br>1 bar10 bar  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -20 °C80 °C  |
| Impact energy in end positions                               | 0.64 J   |
| Max. torque for protection against torsion                   | 1.2 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 990 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N   |
| Moving mass for 0 mm stroke                                  | 219 g  |
| Additional moving mass per 10 mm stroke                      | 25 g   |
| Additional weight per 10 mm stroke                           | 64 g   |
| Basic weight for 0 mm stroke                                 | 854 g  |
| Type of mounting   | Via female thread<br>With accessories<br>Either:   |
| Pneumatic connection   | G1/4   |
| Material cover   | Die-cast aluminium   |

## **FESTO**



| Feature              | Value                            |
|----------------------|----------------------------------|
|                      | NBR<br>TPE-U(PU)                 |
| Material housing     | Anodised wrought aluminium alloy |
| Material piston seal | NBR                              |
| Material piston rod  | High-alloy steel                 |