

# Flat cylinder DZH-16-200-PPV-A

Part number: 151152

**FESTO**



## Data sheet

| Feature                                      | Value                                                              |
|----------------------------------------------|--------------------------------------------------------------------|
| Stroke                                       | 200 mm                                                             |
| Piston diameter                              | 16 mm<br>Equivalent diameter                                       |
| Piston rod thread                            | M6                                                                 |
| Max. angle of rotation of the piston rod +/- | 3.1 deg                                                            |
| Cushioning                                   | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                            | Any                                                                |
| Mode of operation                            | Double-acting                                                      |
| Structural design                            | Piston<br>Piston rod<br>Profile barrel                             |
| Position sensing                             | Via proximity switch                                               |
| Variants                                     | Piston rod at one end                                              |
| Protection against torsion/guide             | Oval piston                                                        |
| Operating pressure                           | 0.1 MPa...1 MPa<br>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-B2-L                                                     |
| Ambient temperature                          | -20 °C...80 °C                                                     |
| Cushioning length                            | 14 mm                                                              |
| Max. torque for protection against rotation  | 0.5 Nm                                                             |
| Theoretical force at 6 bar, retracting       | 104 N                                                              |
| Theoretical force at 6 bar, advancing        | 121 N                                                              |
| Moving mass                                  | 82 g                                                               |
| Product weight                               | 389 g                                                              |
| Additional weight per 10 mm stroke           | 12 g                                                               |
| Basic weight with 0 mm stroke                | 148 g                                                              |
| Type of mounting                             | Alternatively:<br>With internal thread<br>With accessories         |
| Pneumatic connection                         | M5                                                                 |

| Feature              | Value            |
|----------------------|------------------|
| Note on materials    | RoHS compliant   |
| Cover material       | Aluminum         |
| Seals material       | TPE-U(PU)        |
| Housing material     | Aluminum         |
| Piston seal material | TPE-U(PU)        |
| Piston rod material  | High-alloy steel |