

# Flat cylinder DZH-40-100-PPV-A

Part number: 14056

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                      | Value  |
|--|--|
| Stroke                                       | 100 mm   |
| Piston diameter                              | 40 mm<br>Equivalent diameter                                       |
| Piston rod thread                            | M12x1.25   |
| Max. angle of rotation of the piston rod +/- | 1.4 deg  |
| Cushioning                                   | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                            | Any  |
| Mode of operation                            | Double-acting  |
| Structural design                            | Piston<br>Piston rod   |
| Position sensing                             | Via proximity switch   |
| Symbol                                       | 00991235   |
| Variants                                     | Piston rod at one end  |
| Protection against torsion/guide             | Oval piston  |
| Operating pressure                           | 0.06 MPa ... 1 MPa   |
| Operating pressure                           | 0.6 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                            | 21 mm  |
| Max. torque for protection against rotation  | 1.2 Nm   |
| Theoretical force at 6 bar, retracting       | 633 N  |
| Theoretical force at 6 bar, advancing        | 754 N  |
| Moving mass                                  | 394 g  |
| Product weight                               | 1206 g   |
| Additional weight per 10 mm stroke           | 37 g   |
| Basic weight with 0 mm stroke                | 836 g  |
| Type of mounting                             | With internal thread<br>With accessories                           |
| Pneumatic connection                         | G1/4   |
| Note on materials                            | RoHS compliant   |
| Cover material                               | Aluminum   |
| Seals material                               | TPE-U(PU)  |
| Housing material                             | Aluminum   |

| Feature              | Value            |
|----------------------|------------------|
| Piston seal material | TPE-U(PU)        |
| Piston rod material  | High-alloy steel |