

# flat cylinder DZH-16-125-PPV-A

Part number: 151150

FESTO

Non-rotating, for proximity sensing, with adjustable cushioning at both ends. Various mounting options, with or without additional mounting components.



## Data sheet

| Feature                                     | Value   |
|---|---|
| Stroke                                      | 125 mm  |
| Piston diameter                             | 16 mm<br>Equivalent diameter  |
| Max. angular deflection of piston rod +/-   | 3.1 deg   |
| Cushioning                                  | PPV: Pneumatic cushioning adjustable at both ends                           |
| Assembly position                           | Any   |
| Mode of operation                           | double-acting   |
| Design structure                            | Piston<br>Piston rod  |
| Position detection                          | For proximity sensor  |
| Protection against torque/guide             | Oval piston   |
| Operating pressure                          | 1 ... 10 bar  |
| Operating medium                            | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium          | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC     | 2 - Moderate corrosion stress   |
| Ambient temperature                         | -20 ... 80 °C   |
| Cushioning length                           | 14 mm   |
| Max. torque for protection against rotation | 0.5 Nm  |
| Theoretical force at 6 bar, return stroke   | 104 N   |
| Theoretical force at 6 bar, advance stroke  | 121 N   |
| Additional weight per 10 mm stroke          | 11 g  |
| Basic weight for 0 mm stroke                | 140 g   |
| Mounting type                               | with internal (female) thread<br>with accessories<br>Optional               |
| Pneumatic connection                        | M5  |
| Materials note                              | Conforms to RoHS  |
| Material cover                              | Aluminium   |
| Material seals                              | TPE-U(PU)   |
| Material housing                            | Aluminium   |
| Material piston rod                         | High alloy steel  |