

# ISO cylinder DSNU-16-150-PPV-A

Part number: 1908273

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 150 mm   |
| Piston diameter                          | 16 mm  |
| Piston rod thread                        | M6   |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any  |
| Conforms to standard                     | CETOP RP 52 P<br>ISO 6432  |
| Piston rod end                           | External thread  |
| Structural design                        | Piston<br>Piston rod<br>Cylinder barrel                            |
| Position sensing                         | For proximity sensor   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.1 MPa...1 MPa<br>1 bar...10 bar                                  |
| Mode of operation                        | Double-acting  |
| 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  |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                      | -20 °C...80 °C   |
| Impact energy in the end positions       | 0.15 J   |
| Cushioning length                        | 12 mm  |
| Theoretical force at 6 bar, retracting   | 103.7 N  |
| Theoretical force at 6 bar, advancing    | 120.6 N  |
| Moving mass at 0 mm stroke               | 23 g   |
| Additional moving mass per 10 mm stroke  | 2 g  |
| Basic weight with 0 mm stroke            | 89.9 g   |
| Additional weight per 10 mm stroke       | 4.6 g  |
| Type of mounting                         | With accessories   |
| Pneumatic connection                     | M5   |

| Feature                     | Value                                    |
|-----------------------------|--|
| Note on materials           | RoHS-compliant                           |
| Cover material              | Wrought aluminum alloy<br>Plain anodized |
| Seals material              | NBR<br>TPE-U(PU)                         |
| Piston rod material         | High-alloy stainless steel               |
| Material of cylinder barrel | High-alloy stainless steel               |