

# ISO cylinder DSNU-16-10-PPS-A

Part number: 1908274

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 10 mm  |
| Piston diameter   | 16 mm  |
| Piston rod thread   | M6   |
| Cushioning  | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position   | Any  |
| Conforms to standard                                      | 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  |
| Operating pressure  | 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 suitability, measured according to ISO 14644-14 | 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   |
| 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   |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
| Material of cylinder barrel | High-alloy stainless steel |