

# ISO cylinder DSNU-25-100-PPS-A

Part number: 559286

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 100 mm   |
| Piston diameter                          | 25 mm  |
| Piston rod thread                        | M10x1.25   |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                   |
| 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   |
| Symbol                                   | 00992970   |
| 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 class                          | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Impact energy in the end positions       | 0.3 J  |
| Cushioning length                        | 17 mm  |
| Theoretical force at 6 bar, retracting   | 247.4 N  |
| Theoretical force at 6 bar, advancing    | 294.5 N  |
| Moving mass at 0 mm stroke               | 71 g   |
| Additional moving mass per 10 mm stroke  | 6 g  |
| Basic weight with 0 mm stroke            | 238 g  |
| Additional weight per 10 mm stroke       | 11 g   |
| Type of mounting                         | With accessories   |
| Pneumatic connection                     | G1/8   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Wrought aluminum alloy<br>Plain anodized                           |

| <b>Feature</b>              | <b>Value</b>               |
|-----------------------------|----------------------------|
| Seals material              | NBR<br>TPE-U(PU)           |
| Piston rod material         | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |