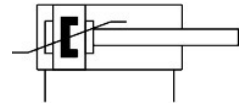


# ISO cylinder DSNU-25-250-PPS-A

Part number: 559290

FESTO



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 250 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                                               |
| 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       | 0.3 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                                                               |

| 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               |