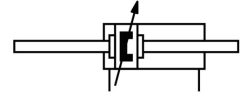



# Round cylinder DSNU-1 1/4" - PPV-A-S2

Part number: 548524

FESTO



 [General operating condition](#)

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 10.16 mm ... 508 mm  |
| Piston diameter                          | 1 1/4"   |
| Piston rod thread                        | 3/8-24 UNF-2A  |
| Based on norm                            | ISO 6431   |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any  |
| Piston rod end                           | External thread  |
| Structural design                        | Piston<br>Piston rod   |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00991237   |
| Variants                                 | Through piston rod   |
| 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  |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Impact energy in the end positions       | 0.39997 J  |
| Cushioning length                        | 13.97 mm   |
| Theoretical force at 6 bar, retracting   | 369.202 N  |
| Theoretical force at 6 bar, advancing    | 429.253 N  |
| Moving mass at 0 mm stroke               | 120.998 g  |
| Additional weight per 10 mm stroke       | 8.987 g  |
| Type of mounting                         | With accessories   |
| Pneumatic connection                     | 1/8 NPT  |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Wrought aluminum alloy   |
| Seals material                           | NBR<br>TPE-U(PU)   |
| Piston rod material                      | High-alloy stainless steel   |
| Material of cylinder barrel              | High-alloy stainless steel   |