

# Round cylinder DSNU-5/8"-2"-PPV-A-B

Part number: 546390

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 50.8 mm  |
| Piston diameter                          | 5/8"   |
| Piston rod thread                        | 10-32 UNF-2A   |
| Based on norm                            | ISO 6432   |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any  |
| Piston rod end                           | External thread  |
| Structural design                        | Piston<br>Piston rod   |
| Position sensing                         | Via proximity switch   |
| Symbol                                   | 00991235   |
| 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  |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Impact energy in the end positions       | 0.149953 J   |
| Cushioning length                        | 13.97 mm   |
| Theoretical force at 6 bar, retracting   | 103.644 N  |
| Theoretical force at 6 bar, advancing    | 120.547 N  |
| Moving mass at 0 mm stroke               | 22.992 g   |
| Additional moving mass per 10 mm stroke  | 2.013 g  |
| Basic weight with 0 mm stroke            | 89.898 g   |
| Additional weight per 10 mm stroke       | 4.593 g  |
| Type of mounting                         | With accessories   |
| Pneumatic connection                     | 10-32 UNF-2B   |
| Cover material                           | Wrought aluminum alloy   |
| Seals material                           | NBR<br>TPE-U(PIU)  |
| Piston rod material                      | high-alloy stainless steel   |
| Material of cylinder barrel              | high-alloy stainless steel   |