

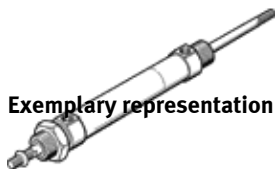
# round cylinder DSNU-3/4"- -PPV-A-S2

Part number: 548522

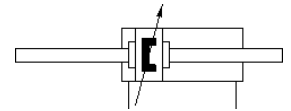
FESTO

Based on DIN ISO 6432, for position sensing Various mounting options, with or without additional mounting components. With adjustable end-position cushioning.

A minimum stroke of 0.04 inches is required for position sensing with proximity switches.



Exemplary representation



## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 0.4 ... 12 "  |
| Piston diameter  | 3/4"  |
| Piston rod thread  | 5/16-24 UNF-2A  |
| Based on the standard                                    | ISO 6432  |
| Cushioning   | PPV: Pneumatic cushioning adjustable at both ends                           |
| Assembly position  | Any   |
| Piston-rod end   | Male thread   |
| Design structure   | Piston<br>Piston rod  |
| Position detection                                       | For proximity sensor  |
| Variants   | Through piston rod  |
| Operating pressure MPa                                   | 0.1 ... 1 MPa   |
| Operating pressure                                       | 1 ... 10 bar  |
| Mode of operation  | double-acting   |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium                       | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC                  | 2 - Moderate corrosion stress   |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Ambient temperature                                      | -4 ... 176 °F   |
| Impact energy in end positions                           | 0.1475 ft-lbf   |
| Cushioning length  | 0.59 "  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 31.66 lbf   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 37.7 lbf  |
| Moving mass with 0 mm stroke                             | 1.552 oz  |
| Additional weight per 10 mm stroke                       | 0.141 oz  |
| Mounting type  | with accessories  |
| Pneumatic connection                                     | 1/8 NPT   |
| Materials note   | Conforms to RoHS  |
| Material cover   | Wrought Aluminium alloy   |
| Material seals   | NBR<br>TPE-U(PU)  |
| Material piston rod                                      | High alloy steel, non-corrosive   |
| Material cylinder barrel                                 | High alloy steel, non-corrosive   |