

# Round cylinder DSNU-40-320-PPV-A

Part number: 196039

FESTO

For position sensing, with adjustable end-position cushioning. Various mounting options, with or without additional mounting components.



## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 320 mm  |
| Piston diameter  | 40 mm   |
| Piston rod thread  | M12x1,25  |
| Cushioning   | PPV: Pneumatic cushioning adjustable at both ends                           |
| Assembly position  | Any   |
| Design structure   | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                                       | For proximity sensor  |
| Operating pressure MPa                                   | 0.1 ... 1 MPa   |
| Working 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                                      | -20 ... 80 °C   |
| Cushioning length  | 18 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 633.3 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 752.9 N   |
| Moving mass  | 742 g   |
| Product weight   | 1,429 g   |
| Mounting type  | with accessories  |
| Pneumatic connection                                     | G1/4  |
| Materials note   | Conforms to RoHS  |
| Material cover   | Wrought Aluminum alloy  |
| Material seals   | NBR<br>TPE-U(PU)  |
| Material piston rod                                      | High alloy steel  |
| Material cylinder barrel                                 | High alloy steel, non-corrosive   |