

# Round cylinder DSNU-50-100-PPV-A

Part number: 196044

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 100 mm   |
| Piston diameter  | 50 mm  |
| Piston rod thread  | M16x1.5  |
| Cushioning   | Pneumatic cushioning, adjustable at both ends  |
| Mounting position  | optional   |
| Design   | Piston<br>Piston rod<br>Cylinder barrel  |
| Position detection   | Via proximity switch   |
| Operating pressure   | 0.1 MPa...1 MPa<br>1 bar...10 bar  |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -20 °C...80 °C   |
| Cushioning length  | 20 mm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 989.6 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178.1 N   |
| Moving mass  | 663 g  |
| Product weight   | 1487 g   |
| Type of mounting   | With accessories   |
| Pneumatic connection   | G1/4   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Wrought aluminium alloy  |
| Material seals   | NBR<br>TPE-U(PU)   |
| Material piston rod  | High-alloy steel   |
| Material cylinder barrel                                     | High-alloy stainless steel   |