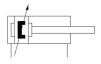
Round cylinder DSNU-50-100-PPV-A Part number: 196044

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



Data sheet

| Feature | Value |
|--|--|
| Stroke | 100 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M16x1,5 |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Design structure | Piston |
| | Piston rod |
| | 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 | 20 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 989.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 1,178.1 N |
| Moving mass | 663 g |
| Product weight | 1,487 g |
| Mounting type | with accessories |
| Pneumatic connection | G1/4 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy |
| Material seals | NBR |
| | TPE-U(PU) |
| Material piston rod | High alloy steel |
| Material cylinder barrel | High alloy steel, non-corrosive |



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