

Round cylinder DSNU-32-50-PPS-A

Part number: 559297

FESTO

with self-adjusting pneumatic end position cushioning



Data sheet

| Feature | Value |
|--|---|
| Stroke | 50 mm |
| Piston diameter | 32 mm |
| Piston rod thread | M10x1,25 |
| Cushioning | PPS: Self-adjusting pneumatic end-position cushioning |
| 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 |
| Cleanroom class | ISO class 6 |
| Ambient temperature | -20 ... 80 °C |
| Cushioning length | 14 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 415 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 482.5 N |
| Moving mass | 166 g |
| Product weight | 448 g |
| Mounting type | with accessories |
| Pneumatic connection | G1/8 |
| 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 |