

standards-based cylinder

DSBG-200-320-PPVA-N3

Part number: 2390148

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 320 mm |
| Piston diameter | 200 mm |
| Piston rod thread | M36x2 |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Conforms to standard | ISO 15552 |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Tie rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure MPa | 0.06 ... 1 MPa |
| Operating pressure | 0.6 ... 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 |
| Impact energy in end positions | 4.8 J |
| Cushioning length | 48 mm |
| Cushioning length, extending | 48 mm |
| Cushioning length, retracting | 48 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 18,096 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 18,850 N |
| Moving mass | 8,452 g |
| Moving mass with 0 mm stroke | 5,348 g |
| Additional mass factor per 10 mm of stroke | 97 g |
| Product weight | 23,365 g |
| Basic weight for 0 mm stroke | 15,493 g |
| Additional weight per 10 mm stroke | 246 g |
| Mounting type | with internal (female) thread with accessories Optional |
| Pneumatic connection | G3/4 |
| Materials note | Conforms to RoHS |
| Material cover | Die-cast aluminium, coated |
| Material piston seal | NBR |
| Material piston | Die-cast aluminium |
| Material piston rod | High alloy steel |
| Material piston rod wiper seal | NBR |
| Buffer seal material | TPE-U(PU) |
| Cushion piston material | POM |

| Feature | Value |
|--------------------------|---|
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |
| Material nut | steel, galvanized |
| Material bearing | Metal polymer compound |
| Collar nut material | Galvanised steel |
| Material tie rod | High alloy steel |