

Standard cylinder DNCB-100-50-PPV-A

Part number: 532899

FESTO

As per ISO 15552, with profile cylinder barrel, for proximity sensing, with adjustable cushioning at both end positions.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 50 mm |
| Piston diameter | 100 mm |
| Piston rod thread | M20x1,5 |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Conforms to standard | ISO 15552 (previously also VDMA 24652, ISO 6431, NF E49 003.1, UNI 10290) |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Profile barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Working pressure | 0.6 ... 12 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 |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 3 J |
| Cushioning length | 32 mm |
| Theoretical force at 6 bar, return stroke | 4,418 N |
| Theoretical force at 6 bar, advance stroke | 4,712 N |
| Moving mass with 0 mm stroke | 1,045 g |
| Additional weight per 10 mm stroke | 101 g |
| Basic weight for 0 mm stroke | 4,575 g |
| Additional mass factor per 10 mm of stroke | 39 g |
| Mounting type | with internal (female) thread with accessories |
| Pneumatic connection | G1/2 |
| Materials note | Conforms to RoHS |
| Materials information for cover | Aluminum die cast coated |
| Materials information for seals | TPE-U(PU) |
| Materials information for piston rod | High alloy steel |
| Materials information for cylinder barrel | Wrought Aluminum alloy |