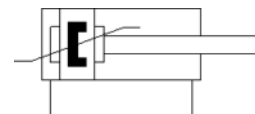
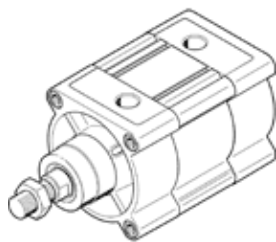


Standard cylinder DSBC-100-40-PPSA-N3

Part number: 1384891

FESTO

with self-adjusting pneumatic end position cushioning



Data sheet

| Feature | values |
|--|---|
| Stroke | 40 mm |
| Piston diameter | 100 mm |
| Piston rod thread | M20x1,5 |
| Cushioning | PPS: Self-adjusting pneumatic end-position cushioning |
| Assembly position | Any |
| Conforms to standard | ISO 15552 |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Profile barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Working pressure | 0.4 ... 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 | 2.5 J |
| Cushioning length | 31 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 | 1,000 g |
| Additional weight per 10 mm stroke | 101 g |
| Basic weight for 0 mm stroke | 3,665 g |
| Additional mass factor per 10 mm of stroke | 39 g |
| Mounting type | Optional 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 Smooth anodized |