

ISO cylinder DSBC-100-50-PPVA-N3

Part number: 1384806

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 100 mm |
| Piston rod thread | M20x1.5 |
| Type code | DSBC |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Conforms to standard | ISO 15552 |
| Piston rod end | External thread |
| Design | Profile barrel Piston rod Piston |
| Position sensing | For proximity sensor |
| Symbol | 00991235 |
| Variants | Piston rod at one end |
| Operating pressure | 0.4 bar ... 12 bar |
| Mode of operation | Double-acting |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 2.5 J |
| Cushioning length | 31 mm |
| Theoretical force at 6 bar, retracting | 4418 N |
| Theoretical force at 6 bar, advancing | 4712 N |
| Moving mass at 0 mm stroke | 1000 g |
| Additional weight per 10 mm stroke | 101 g |
| Basic weight with 0 mm stroke | 3665 g |
| Additional moving mass per 10 mm stroke | 39 g |
| Type of mounting | With accessories With internal thread Optionally: |
| Pneumatic connection | G1/2 |
| Note on materials | RoHS-compliant |
| Cover material | Die-cast aluminum Coated |
| Seals material | TPE-U(PU) |
| Piston rod material | High-alloy steel |

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|-----------------------------|---|
| Material of cylinder barrel | Wrought aluminum alloy Smooth anodized |