

## ISO cylinder □ DSBC-50-100-PPSA-N3

URL: <https://www.sxplc.com/iso-cylinder-dsbc-50-100-ppsa-n3>

### Product data sheet

• <b>Stroke</b> 100 mm
• <b>Piston diameter</b> 50 mm
• <b>Piston rod thread</b> M16x1.5
• <b>Cushioning</b> Self-adjusting pneumatic end-position cushioning
• <b>Mounting position</b> Any
• <b>Conforms to standard</b> ISO 15552
• <b>Piston rod end</b> External thread
• <b>Structural design</b> Piston Piston rod Profile barrel
• <b>Position sensing</b> For proximity sensor
• <b>Symbol</b> I00992970
• <b>Variants</b> Piston rod at one end
• <b>Operating pressure</b> 0.04 MPa ... 1.2 MPa
• <b>Operating pressure</b> 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
- **LABS (PWIS) conformity** VDMA24364-B1/B2-L
- **Cleanroom class** Class 6 according to ISO 14644-1
- **Ambient temperature** -20 °C ... 80 °C
- **Impact energy in the end positions** 1 J
- **Cushioning length** 22 mm
- **Theoretical force at 6 bar, retracting** 990 N
- **Theoretical force at 6 bar, advancing** 1178 N
- **Moving mass at 0 mm stroke** 365 g
- **Additional moving mass per 10 mm stroke** 25 g
- **Basic weight with 0 mm stroke** 1190 g
- **Additional weight per 10 mm stroke** 56 g
- **Type of mounting** Optionally: With internal thread With accessories
- **Pneumatic connection** G1/4
- **Note on materials** RoHS-compliant
- **Cover material** Die-cast aluminum, coated
- **Piston seal material** TPE-U(PU)
- **Material of piston** Wrought aluminum alloy
- **Piston rod material** High-alloy steel

- **Piston rod wiper material**TPE-U(PU)
- **Buffer seal material**TPE-U(PU)
- **Cushion piston material**POM
- **Material of cylinder barrel**Wrought aluminum alloy, smooth-anodized
- **Nut material**Steel, galvanized
- **Material of bearing**POM
- **Flange screws material**Steel, galvanized

