



ISO cylinder □ DSBC-50-100-PPSA-N3

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

Product data sheet

- **Stroke** 100 mm
- **Piston diameter** 50 mm
- **Piston rod thread** M16x1.5
- **Cushioning** Self-adjusting pneumatic end-position cushioning
- **Mounting position** Any
- **Conforms to standard** ISO 15552
- **Piston rod end** External thread
- **Structural design** Piston Piston rod Profile barrel
- **Position sensing** For proximity sensor
- **Symbol** 00992970
- **Variants** Piston rod at one end
- **Operating pressure** 0.04 MPa ... 1.2 MPa
- **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
- **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

