



## ISO cylinder □ DSBC-100-320-PPSA- N3

URL: <https://www.sxplc.com/iso-cylinder-dsbc-100-320-ppsa-n3>

### Product data sheet

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| • <b>Stroke</b> 1 mm ... 2800 mm                                     |
| • <b>Piston diameter</b> 100 mm                                      |
| • <b>Piston rod thread</b> M20x1.5                                   |
| • <b>Cushioning</b> Self-adjusting pneumatic end-position cushioning |
| • <b>Mounting position</b> optional                                  |
| • <b>Conforms to standard</b> ISO 15552                              |
| • <b>Piston-rod end</b> Male thread                                  |
| • <b>Design</b> Piston Piston rod Profile barrel                     |
| • <b>Position detection</b> Via proximity switch                     |
| • <b>Symbol</b> 00992970   |
| • <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                       |
| • <b>Mode of operation</b> Double-acting                             |

- **Operating medium** Compressed air to ISO 8573-1:2010 [7:4:4]
- **Note on operating and pilot medium** Lubricated operation possible  
(in which case lubricated operation will always be required)
- **Corrosion resistance class** CRC2 - Moderate corrosion stress
- **LABS (PWIS) conformity** VDMA24364-B1/B2-L
- **Ambient temperature** -20 °C ... 80 °C
- **Impact energy in end positions** 2.5 J
- **Cushioning length** 31 mm
- **Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke** 4418 N
- **Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke** 4712 N
- **Moving mass for 0 mm stroke** 1000 g
- **Additional moving mass per 10 mm stroke** 39 g
- **Basic weight for 0 mm stroke** 3665 g
- **Additional weight per 10 mm stroke** 101 g
- **Type of mounting** Either: Via female thread With accessories
- **Pneumatic connection** G1/2
- **Note on materials** RoHS-compliant
- **Material cover** Die-cast aluminium, coated
- **Material piston seal** TPE-U(PU)
- **Material piston** Wrought aluminium alloy
- **Material piston rod** High-alloy steel
- **Material piston rod wiper** TPE-U(PU)

- **Buffer seal material**TPE-U(PU)
- **Cushioning piston material**POM
- **Material cylinder barrel**Smooth-anodised wrought aluminium alloy
- **Material nut**Galvanised steel
- **Material bearing**POM
- **Material collar screws**Galvanised steel

