



## Cylinder DNC-100-250-PPV-A

URL: <https://www.sxplc.com/cylinder-dnc-100-250-ppv-a>

### Product data sheet

- |                               |   |
|-------------------------------|---|
| • <b>Stroke</b>               | 250 mm  |
| • <b>Piston diameter</b>      | 100 mm  |
| • <b>Piston rod thread</b>    | M20x1.5                                       |
| • <b>Cushioning</b>           | Pneumatic cushioning, adjustable at both ends |
| • <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>               | 00991235                                      |
| • <b>Variants</b>             | Piston rod at one end                         |
| • <b>Operating pressure</b>   | 0.06 MPa ... 1.2 MPa                          |
| • <b>Operating pressure</b>   | 0.6 bar ... 12 bar                            |
| • <b>Mode of operation</b>    | Double-acting                                 |
| • <b>Operating medium</b>     | 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**1.2 J
- **Cushioning length**32 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**1544 g
- **Additional moving mass per 10 mm stroke**38 g
- **Basic weight for 0 mm stroke**4653 g
- **Additional weight per 10 mm stroke**115 g
- **Type of mounting**Via female thread With accessories
- **Pneumatic connection**G1/2
- **Note on materials**RoHS-compliant
- **Material cover**Die-cast aluminium Coated
- **Material seals**TPE-U(PU)
- **Material piston rod**High-alloy steel
- **Material cylinder barrel**Wrought aluminium alloy Smooth anodised

