



## Cylinder □ DNC-100-250-PPV-A

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

### Product data sheet

- **Stroke** 250 mm
- **Piston diameter** 100 mm
- **Piston rod thread** M20x1.5
- **Cushioning** Pneumatic cushioning, adjustable at both ends
- **Mounting position** optional
- **Conforms to standard** ISO 15552
- **Piston-rod end** Male thread
- **Design** Piston Piston rod Profile barrel
- **Position detection** Via proximity switch
- **Symbol** 00991235
- **Variants** Piston rod at one end
- **Operating pressure** 0.06 MPa ... 1.2 MPa
- **Operating pressure** 0.6 bar ... 12 bar
- **Mode of operation** 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**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

