

# ISO cylinder DNC-100-320-PPV-A

Part number: 163474

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 320 mm   |
| Piston diameter  | 100 mm   |
| Piston rod thread  | M20x1.5  |
| Cushioning   | Pneumatic cushioning, adjustable at both ends  |
| Mounting position  | Any  |
| Conforms to standard   | ISO 15552  |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod<br>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 CRC                               | 2 - 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   | With female thread<br>With accessories   |
| Pneumatic connection   | G1/2   |
| Note on materials  | RoHS compliant   |
| Material cover   | Die-cast aluminium coated  |

| <b>Feature</b>           | <b>Value</b>                               |
|--------------------------|--|
| Material seals           | TPE-U(PU)                                  |
| Material piston rod      | High-alloy steel                           |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth-anodised |