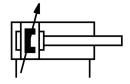
## ISO cylinder DNC-125-80-PPV-A Part number: 163500







General operating condition

## **Data sheet**

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 80 mm  |
| Piston diameter                          | 125 mm   |
| Piston rod thread                        | M27x2  |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| 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                                   | 00991235   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.06 MPa 1 MPa   |
| Operating pressure                       | 0.6 bar 10 bar   |
| Mode of operation                        | Double-acting 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  |
| Ambient temperature                      | -20 °C 80 °C   |
| Impact energy in the end positions       | 5 J  |
| Cushioning length                        | 42 mm  |
| Theoretical force at 6 bar, retracting   | 6881 N   |
| Theoretical force at 6 bar, advancing    | 7363 N   |
| Moving mass at 0 mm stroke               | 2809 g   |
| Additional moving mass per 10 mm stroke  | 63 g   |
| Basic weight with 0 mm stroke            | 6771 g   |
| Additional weight per 10 mm stroke       | 168 g  |
| Type of mounting                         | With internal thread<br>With accessories                           |
| Pneumatic connection                     | G1/2   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Die-cast aluminum<br>Coated  |
| Seals material                           | TPE-U(PU)  |

| Feature             | Value                                     |
|---------------------|---|
| Piston rod material | High-alloy steel                          |
|                     | Wrought aluminum alloy<br>Smooth anodized |