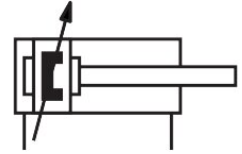
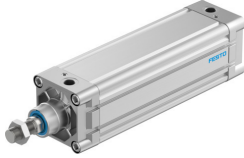


# ISO cylinder DNC-80-50-PPV-A

Part number: 163435

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 50 mm                                                              |
| Piston diameter                          | 80 mm                                                              |
| Piston rod thread                        | M20x1.5                                                            |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any                                                                |
| Conforms to standard                     | ISO 15552                                                          |
| Piston rod end                           | External thread                                                    |
| Structural design                        | Piston<br>Piston rod<br>Profile barrel                             |
| Position sensing                         | For proximity sensor                                               |
| 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 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       | 0.9 J                                                              |
| Cushioning length                        | 32 mm                                                              |
| Theoretical force at 6 bar, retracting   | 2721 N                                                             |
| Theoretical force at 6 bar, advancing    | 3016 N                                                             |
| Moving mass at 0 mm stroke               | 1131 g                                                             |
| Additional moving mass per 10 mm stroke  | 38 g                                                               |
| Basic weight with 0 mm stroke            | 2790 g                                                             |
| Additional weight per 10 mm stroke       | 106 g                                                              |
| Type of mounting                         | With internal thread<br>With accessories                           |
| Pneumatic connection                     | G3/8                                                               |
| 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                          |
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth anodized |