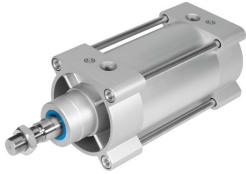


# ISO cylinder DSBG-100-400-PPVA-N3

Part number: 1646811

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Piston seal material                     | TPE-U(PU)  |
| Piston rod wiper seal material           | TPE-U(PU)  |
| Cushion piston material                  | POM  |
| Buffer seal material                     | TPE-U(PU)  |
| Material of piston                       | Wrought aluminum alloy   |
| Werkstoff Bundmutter                     | Stahl, verzinkt  |
| Nut material                             | Steel, galvanized  |
| Material of bearing                      | POM  |
| Tie rod material                         | hochlegierter Stahl  |
| Stroke                                   | 400 mm   |
| Piston diameter                          | 100 mm   |
| Piston rod thread                        | M20x1.5  |
| Type code                                | DSBG   |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 15552  |
| Piston rod end                           | External thread  |
| Design                                   | Cylinder barrel<br>Tie rod<br>Piston rod<br>Piston                 |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00991235   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.4 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                                      |
| Ambient temperature                      | -20 °C ... 80 °C   |
| Impact energy in the end positions       | 2.5 J  |
| Cushioning length                        | 31 mm  |
| Theoretical force at 6 bar, retracting   | 4418 N   |
| Theoretical force at 6 bar, advancing    | 4712 N   |
| Moving mass at 0 mm stroke               | 1000 g   |
| Additional weight per 10 mm stroke       | 94 g   |

| <b>Feature</b>                          | <b>Value</b>  |
|---|---|
| Basic weight with 0 mm stroke           | 3665 g  |
| Additional moving mass per 10 mm stroke | 39 g  |
| Type of mounting                        | With accessories<br>With internal thread<br>Optionally: |
| Pneumatic connection                    | G1/2  |
| Note on materials                       | RoHS-compliant  |
| Cover material                          | Die-cast aluminum, coated                               |
| Piston rod material                     | High-alloy steel  |
| Material of cylinder barrel             | Wrought aluminum alloy                                  |