

# ISO cylinder DSBG-200-200-PPVA-N3

Part number: 2390146

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 200 mm                                                             |
| Piston diameter                          | 200 mm                                                             |
| Piston rod thread                        | M36x2                                                              |
| 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>Tie rod 1<br>Cylinder barrel               |
| Position sensing                         | Via proximity switch                                               |
| Variants                                 | Piston rod at one end                                              |
| Operating pressure                       | 0.06 MPa...1 MPa<br>0.6 bar...10 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       | 4.8 J                                                              |
| Cushioning length                        | 48 mm                                                              |
| Cushioning length, advancing             | 48 mm                                                              |
| Cushioning length, retracting            | 48 mm                                                              |
| Theoretical force at 6 bar, retracting   | 18096 N                                                            |
| Theoretical force at 6 bar, advancing    | 18850 N                                                            |
| Moving mass                              | 7288 g                                                             |
| Moving mass at 0 mm stroke               | 5348 g                                                             |
| Additional moving mass per 10 mm stroke  | 97 g                                                               |
| Product weight                           | 20413 g                                                            |
| Basic weight with 0 mm stroke            | 15493 g                                                            |

| Feature                            | Value                                                      |
|------------------------------------|------------------------------------------------------------|
| Additional weight per 10 mm stroke | 246 g                                                      |
| Type of mounting                   | Alternatively:<br>With internal thread<br>With accessories |
| Pneumatic connection               | G3/4                                                       |
| Note on materials                  | RoHS compliant                                             |
| Cover material                     | Die-cast aluminum, coated                                  |
| Piston seal material               | NBR                                                        |
| Material of piston                 | Cast aluminum                                              |
| Piston rod material                | High-alloy steel                                           |
| Piston rod wiper material          | NBR                                                        |
| Buffer seal material               | TPE-U(PU)                                                  |
| Cushion piston material            | POM                                                        |
| Material of cylinder barrel        | Wrought aluminum alloy, smooth-anodized                    |
| Nut material                       | Steel, galvanized                                          |
| Material of bearing                | Metal polymer compound                                     |
| Collar nut material                | Galvanized steel                                           |
| Tie rod material                   | High-alloy steel                                           |