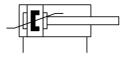
## ISO cylinder DSBC-63-320-PPSA-N3

**FESTO** 

Part number: 1383641





## **Data sheet**

| Feature                                  | Value  |
|--|--|
| Piston seal material                     | TPE-U(PU)  |
| Piston rod wiper seal material           | TPE-U(PU)  |
| Cushion piston material                  | РОМ  |
| Buffer seal material                     | TPE-U(PU)  |
| Material of piston                       | Wrought aluminum alloy   |
| Nut material                             | Steel, galvanized  |
| Flange screws material                   | Steel, galvanized  |
| Material of bearing                      | РОМ  |
| Stroke                                   | 320 mm   |
| Piston diameter                          | 63 mm  |
| Piston rod thread                        | M16x1.5  |
| Type code                                | DSBC   |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 15552  |
| Piston rod end                           | External thread  |
| Design                                   | Piston rod<br>Profile barrel<br>Piston                             |
| Position sensing                         | For proximity sensor   |
| Symbol                                   | 00992970   |
| 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       | 1.3 J  |
| Cushioning length                        | 22 mm  |
| Theoretical force at 6 bar, retracting   | 1682 N   |
| Theoretical force at 6 bar, advancing    | 1870 N   |
| Moving mass at 0 mm stroke               | 430 g  |
| Additional weight per 10 mm stroke       | 62 g   |
| Basic weight with 0 mm stroke            | 1740 g   |
| Additional moving mass per 10 mm stroke  | 25 g   |

| Feature                     | Value   |
|-----------------------------|---|
| Type of mounting            | With accessories Optionally: With internal thread |
| Pneumatic connection        | G3/8  |
| Note on materials           | RoHS-compliant                                    |
| Cover material              | Die-cast aluminum, coated                         |
| Piston rod material         | High-alloy steel                                  |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized           |