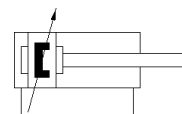
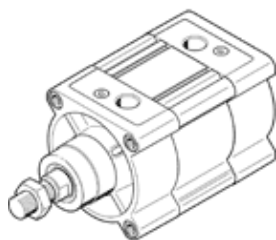


# Standard cylinder DSBC-125-25-PPVA-N3

Part number: 1804956

☆ Core product range

FESTO



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 25 mm   |
| Piston diameter                            | 125 mm  |
| Piston rod thread                          | M27x2   |
| Cushioning                                 | PPV: Pneumatic cushioning adjustable at both ends                           |
| Assembly position                          | Any   |
| Conforms to standard                       | ISO 15552   |
| Piston-rod end                             | Male thread   |
| Design structure                           | Piston<br>Piston rod<br>Profile barrel                                      |
| Position detection                         | For proximity sensor  |
| Variants                                   | Single-ended piston rod   |
| Working pressure                           | 0.2 ... 10 bar  |
| Mode of operation                          | double-acting   |
| Operating medium                           | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium         | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC    | 2 - Moderate corrosion stress   |
| Ambient temperature                        | -20 ... 80 °C   |
| Impact energy in end positions             | 3.3 J   |
| Cushioning length                          | 45 mm   |
| Theoretical force at 6 bar, return stroke  | 6,881 N   |
| Theoretical force at 6 bar, advance stroke | 7,363 N   |
| Moving mass with 0 mm stroke               | 2,245 g   |
| Additional weight per 10 mm stroke         | 151 g   |
| Basic weight for 0 mm stroke               | 6,611 g   |
| Additional mass factor per 10 mm of stroke | 63 g  |
| Mounting type                              | Optional<br>with internal (female) thread<br>with accessories               |
| Pneumatic connection                       | G1/2  |
| Materials note                             | Conforms to RoHS  |
| Material cover                             | Aluminum die cast<br>coated   |
| Material seals                             | TPE-U(PU)   |
| Material piston rod                        | High alloy steel  |
| Material cylinder barrel                   | Wrought Aluminum alloy<br>Smooth anodized                                   |