

# ISO cylinder DSBC-40-100-PPSA-N3

Part number: 1376907

★ Core product range

FESTO



## Data sheet

| Feature                                    | Value                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------------|
| Stroke                                     | 100 mm                                                                      |
| Piston diameter                            | 40 mm                                                                       |
| Piston rod thread                          | M12x1,25                                                                    |
| Cushioning                                 | PPS: Self-adjusting pneumatic end-position cushioning                       |
| 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                                                     |
| Operating pressure                         | 0.6 ... 12 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             | 0.7 J                                                                       |
| Cushioning length                          | 19 mm                                                                       |
| Theoretical force at 6 bar, return stroke  | 633 N                                                                       |
| Theoretical force at 6 bar, advance stroke | 754 N                                                                       |
| Moving mass with 0 mm stroke               | 205 g                                                                       |
| Additional weight per 10 mm stroke         | 37 g                                                                        |
| Basic weight for 0 mm stroke               | 740 g                                                                       |
| Additional mass factor per 10 mm of stroke | 16 g                                                                        |
| Mounting type                              | Optional<br>with internal (female) thread<br>with accessories               |
| Pneumatic connection                       | G1/4                                                                        |
| Materials note                             | Conforms to RoHS                                                            |
| Material cover                             | Aluminium die cast<br>coated                                                |
| Material seals                             | TPE-U(PU)                                                                   |
| Material piston rod                        | High alloy steel                                                            |
| Material cylinder barrel                   | Wrought Aluminium alloy<br>Smooth anodised                                  |