

# ISO cylinder DSBC-80-30-D3-PPVA-N3

Part number: 3656633

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 30 mm  |
| Piston diameter  | 80 mm  |
| Piston rod thread  | M20x1.5  |
| Cushioning   | Pneumatic cushioning, adjustable at both ends  |
| Mounting position  | optional   |
| Conforms to standard   | ISO 15552  |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod<br>Profile barrel   |
| Position detection   | Via proximity switch   |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.04 MPa...1.2 MPa<br>0.4 bar...12 bar   |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -20 °C...80 °C   |
| Impact energy in end positions                               | 1.8 J  |
| Cushioning length  | 31 mm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 2721 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 3016 N   |
| Moving mass for 0 mm stroke                                  | 810 g  |
| Additional moving mass per 10 mm stroke                      | 39 g   |
| Basic weight for 0 mm stroke                                 | 2720 g   |
| Additional weight per 10 mm stroke                           | 143 g  |
| Type of mounting   | Either:<br>Via female thread<br>With accessories   |
| Pneumatic connection   | G3/8   |

| <b>Feature</b>             | <b>Value</b>                            |
|----------------------------|---|
| Note on materials          | RoHS-compliant                          |
| Material cover             | Die-cast aluminium, coated              |
| Material piston seal       | TPE-U(PU)                               |
| Material piston            | Wrought aluminium alloy                 |
| Material piston rod        | High-alloy steel                        |
| Material piston rod wiper  | TPE-U(PU)                               |
| Buffer seal material       | TPE-U(PU)                               |
| Cushioning piston material | POM                                     |
| Material cylinder barrel   | Smooth-anodised wrought aluminium alloy |
| Material nut               | Galvanised steel                        |
| Material rod wiper         | TPE-E                                   |
| Material bearing           | Metal polymer compound                  |
| Material collar screws     | Galvanised steel                        |