

# ISO cylinder DNC-80-400-PPV

Part number: 163457

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 400 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   | Without  |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.06 MPa...1.2 MPa<br>0.6 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                               | 0.9 J  |
| Cushioning length  | 32 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                                  | 1131 g   |
| Additional moving mass per 10 mm stroke                      | 38 g   |
| Basic weight for 0 mm stroke                                 | 2790 g   |
| Additional weight per 10 mm stroke                           | 106 g  |
| Type of mounting   | Via female thread<br>With accessories  |
| Pneumatic connection   | G3/8   |
| Note on materials  | RoHS-compliant   |

| <b>Feature</b>           | <b>Value</b>                               |
|--------------------------|--|
| Material cover           | Die-cast aluminium<br>Coated               |
| Material seals           | TPE-U(PU)                                  |
| Material piston rod      | High-alloy steel                           |
| Material cylinder barrel | Wrought aluminium alloy<br>Smooth anodised |