

# ISO cylinder DNC-50-80-PPV-A

Part number: 163372

FESTO

As per ISO 15552, with profile cylinder barrel, for proximity sensing, with adjustable cushioning at both end positions.



## Data sheet

| Feature                                    | values  |
|--|---|
| Stroke                                     | 80 mm   |
| Piston diameter                            | 50 mm   |
| Piston rod thread                          | M16x1,5   |
| 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   |
| 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   |
| Authorisation                              | Germanischer Lloyd  |
| Impact energy in end positions             | 0.2 J   |
| Cushioning length                          | 22 mm   |
| Theoretical force at 6 bar, return stroke  | 990 N   |
| Theoretical force at 6 bar, advance stroke | 1,178 N   |
| Moving mass with 0 mm stroke               | 538 g   |
| Additional weight per 10 mm stroke         | 64 g  |
| Basic weight for 0 mm stroke               | 1,260 g   |
| Additional mass factor per 10 mm of stroke | 25 g  |
| Mounting type                              | with internal (female) thread<br>with accessories                           |
| Pneumatic connection                       | G1/4  |
| Materials note                             | Conforms to RoHS  |
| Materials information for cover            | Aluminium die cast<br>coated  |
| Materials information for seals            | TPE-U(PU)   |
| Materials information for piston rod       | High alloy steel  |
| Materials information for cylinder barrel  | Wrought Aluminium alloy<br>Smooth anodised                                  |