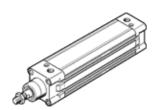
## ISO cylinder DNC-32-50-PPV-A Part number: 163307

**FESTO** 

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





## **Data sheet**

| Feature                                    | values                                                           |
|--------------------------------------------|------------------------------------------------------------------|
| Stroke                                     | 50 mm                                                            |
| Piston diameter                            | 32 mm                                                            |
| Piston rod thread                          | M10x1,25                                                         |
| Cushioning                                 | PPV: Pneumatic cushioning adjustable at both ends                |
| Assembly position                          | Any                                                              |
| Conforms to standard                       | ISO 15552                                                        |
| Piston-rod end                             | Male thread                                                      |
| Design structure                           | Piston                                                           |
|                                            | Piston rod                                                       |
|                                            | 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             | 0.1 J                                                            |
| Cushioning length                          | 20 mm                                                            |
| Theoretical force at 6 bar, return stroke  | 415 N                                                            |
| Theoretical force at 6 bar, advance stroke | 483 N                                                            |
| Moving mass with 0 mm stroke               | 162 g                                                            |
| Additional weight per 10 mm stroke         | 30 g                                                             |
| Basic weight for 0 mm stroke               | 517 g                                                            |
| Additional mass factor per 10 mm of stroke | 9 g                                                              |
| Mounting type                              | with internal (female) thread                                    |
|                                            | with accessories                                                 |
| Pneumatic connection                       | G1/8                                                             |
| Materials note                             | Conforms to RoHS                                                 |
| Materials information for cover            | Aluminium die cast                                               |
|                                            | coated                                                           |
| Materials information for seals            | TPE-U(PU)                                                        |
| Materials information for piston rod       | High alloy steel                                                 |
| Materials information for cylinder barrel  | Wrought Aluminium alloy                                          |
|                                            | Smooth anodised                                                  |