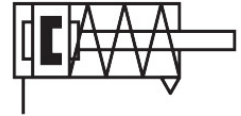


# Round cylinder ESNU-63-50-P-A

Part number: 196387

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 50 mm  |
| Piston diameter  | 63 mm  |
| Piston rod thread  | M16x1.5  |
| Cushioning   | Elastic cushioning rings/pads at both ends                         |
| Mounting position  | Any  |
| Structural design  | Piston<br>Piston rod<br>Cylinder barrel                            |
| Position sensing   | For proximity sensor   |
| Symbol   | 00991729   |
| Operating pressure   | 0.12 MPa ... 1 MPa   |
| Operating pressure   | 1.2 bar ... 10 bar   |
| Mode of operation  | Pushing<br>Single-acting   |
| Operating medium   | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media                     | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                             | 2 - Moderate corrosion stress                                      |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Ambient temperature  | -20 °C ... 80 °C   |
| Spring resetting force with piston rod in retracted position | 60 N   |
| Theoretical force at 6 bar, retracting                       | 60 N   |
| Theoretical force at 6 bar, advancing                        | 1765 N   |
| Moving mass  | 584 g  |
| Moving mass at 0 mm stroke                                   | 459 g  |
| Additional moving mass per 10 mm stroke                      | 25 g   |
| Product weight   | 1665 g   |
| Basic weight with 0 mm stroke                                | 1445 g   |
| Additional weight per 10 mm stroke                           | 44 g   |
| Type of mounting   | With accessories   |
| Pneumatic connection   | G3/8   |
| Note on materials  | RoHS-compliant   |
| Cover material   | Wrought aluminum alloy   |
| Seals material   | NBR<br>TPE-U(PU)   |
| Piston rod material  | High-alloy steel   |
| Material of cylinder barrel                                  | High-alloy stainless steel   |