

# Round cylinder ESNU-63-25-P-A

Part number: 196386

FESTO



## Data sheet

| Feature                                                      | Value                                                              |
|--------------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                       | 25 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                                             | Via proximity switch                                               |
| Operating pressure                                           | 0.12 MPa...1 MPa<br>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                                                     |
| Impact energy in the end positions                           | 1.3 J                                                              |
| Spring resetting force with piston rod in retracted position | 82 N                                                               |
| Theoretical force at 6 bar, retracting                       | 82 N                                                               |
| Theoretical force at 6 bar, advancing                        | 1765 N                                                             |
| Moving mass                                                  | 522 g                                                              |
| Moving mass at 0 mm stroke                                   | 459 g                                                              |
| Additional moving mass per 10 mm stroke                      | 25 g                                                               |
| Product weight                                               | 1555 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                                                                |

| Feature                     | Value                      |
|-----------------------------|----------------------------|
|                             | TPE-U(PU)                  |
| Piston rod material         | High-alloy steel           |
| Material of cylinder barrel | high-alloy stainless steel |