

# round cylinder ESNU-50-25-P-A

Part number: 196383

FESTO

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With elastic cushioning rings in the end positions.



## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 25 mm   |
| Piston diameter  | 50 mm   |
| Piston rod thread  | M16x1,5   |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position  | Any   |
| Design structure   | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                                       | For proximity sensor  |
| Operating pressure MPa                                   | 0.12 ... 1 MPa  |
| Operating pressure                                       | 1.2 ... 10 bar  |
| Mode of operation  | single-acting<br>pushing action   |
| 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   |
| PWIS conformity  | VDMA24364-B1/B2-L   |
| Ambient temperature                                      | -20 ... 80 °C   |
| Spring return force, retracted                           | 82 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 82 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 1,072.8 N   |
| Moving mass  | 476 g   |
| Moving mass with 0 mm stroke                             | 413 g   |
| Additional mass factor per 10 mm of stroke               | 25 g  |
| Product weight   | 1,187 g   |
| Basic weight for 0 mm stroke                             | 1,087 g   |
| Additional weight per 10 mm stroke                       | 40 g  |
| Mounting type  | with accessories  |
| Pneumatic connection                                     | G1/4  |
| Materials note   | Conforms to RoHS  |
| Material cover   | Wrought Aluminium alloy   |
| Material seals   | NBR<br>TPE-U(PU)  |
| Material piston rod                                      | High alloy steel  |
| Material cylinder barrel                                 | High alloy steel, non-corrosive   |