

# Round cylinder DSNU-S-16-80-PPS-A-MQ

Part number: 5217243

★ Core product range

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Stroke   | 80 mm   |
| Piston diameter  | 16 mm   |
| Piston rod thread  | M6  |
| Cushioning   | PPS: Self-adjusting pneumatic end-position cushioning                       |
| Assembly position  | Any   |
| Design structure   | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                                       | For proximity sensor  |
| Operating pressure MPa                                   | 0.08 ... 1 MPa  |
| Working pressure   | 0.8 ... 10 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   |
| PWIS conformity  | VDMA24364-B2-L  |
| Cleanroom class  | ISO class 6   |
| Ambient temperature                                      | -20 ... 80 °C   |
| Cushioning length  | 12 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 103.7 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 120.6 N   |
| Moving mass with 0 mm stroke                             | 18.3 g  |
| Additional mass factor per 10 mm of stroke               | 2 g   |
| Basic weight for 0 mm stroke                             | 48.9 g  |
| Additional weight per 10 mm stroke                       | 4.8 g   |
| Mounting type  | with accessories  |
| Pneumatic connection                                     | M5  |
| Materials note   | Conforms to RoHS  |
| Material cover   | Anodised wrought aluminium alloy  |
| Material seals   | TPE-U(PU)   |
| Material piston rod                                      | High alloy steel, non-corrosive   |
| Material cylinder barrel                                 | High alloy steel, non-corrosive   |