## Round cylinder DSNU-S-16-150-P-A-MQ Part number: 5216100

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## **Data sheet**

| Feature  | Value  |
|--|--|
| Stroke   | 150 mm   |
| Piston diameter  | 16 mm  |
| Piston rod thread  | M6   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Design   | Piston<br>Piston rod<br>Cylinder barrel  |
| Position detection   | Via proximity switch   |
| Operating pressure   | 0.08 MPa1 MPa<br>0.8 bar10 bar   |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010[7:4:4]   |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B2-L   |
| Cleanroom class  | Class 6 according to ISO 14644-1   |
| Ambient temperature  | -20 °C80 °C  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 103.7 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 120.6 N  |
| Moving mass for 0 mm stroke                                  | 18.3 g   |
| Additional moving mass per 10 mm stroke                      | 2 g  |
| Basic weight for 0 mm stroke                                 | 48.9 g   |
| Additional weight per 10 mm stroke                           | 4.8 g  |
| Type of mounting   | With accessories   |
| Pneumatic connection   | M5   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Anodised wrought aluminium alloy   |
| Material seals   | TPE-U(PU)  |
| Material piston rod  | High-alloy stainless steel   |
| Material cylinder barrel                                     | High-alloy stainless steel   |

## **FESTO**