

# Round cylinder DSNU-S-8-100-P-A-MQ

Part number: 5205907

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 100 mm   |
| Piston diameter   | 8 mm   |
| Piston rod thread   | M4   |
| 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  | 00991217   |
| Operating pressure  | 0.15 MPa ... 1 MPa   |
| Operating pressure  | 1.5 bar ... 10 bar   |
| Mode of operation   | Double-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-B2-L   |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                                       | -20 °C ... 80 °C   |
| Impact energy in the end positions                        | 0.03 J   |
| Theoretical force at 6 bar, retracting                    | 22.6 N   |
| Theoretical force at 6 bar, advancing                     | 30.2 N   |
| Moving mass at 0 mm stroke                                | 6.3 g  |
| Additional moving mass per 10 mm stroke                   | 1 g  |
| Basic weight with 0 mm stroke                             | 20 g   |
| Additional weight per 10 mm stroke                        | 2.4 g  |
| Type of mounting  | With accessories   |
| Pneumatic connection                                      | M5   |
| Note on materials   | RoHS-compliant   |
| Cover material  | Wrought aluminum alloy, anodized                                   |
| Seals material  | TPE-U(PU)  |
| Piston rod material                                       | High-alloy stainless steel   |
| Material of cylinder barrel                               | High-alloy stainless steel   |