

# Round cylinder DSNU-S-20-80-P-A-MX

Part number: 5224643

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 80 mm                                                              |
| Piston diameter                          | 20 mm                                                              |
| Piston rod thread                        | M8                                                                 |
| 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                       | 0.08 MPa ... 1 MPa                                                 |
| Operating pressure                       | 0.8 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 class                          | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                      | -20 °C ... 80 °C                                                   |
| Impact energy in the end positions       | 0.2 J                                                              |
| Theoretical force at 6 bar, retracting   | 158.3 N                                                            |
| Theoretical force at 6 bar, advancing    | 188.5 N                                                            |
| Moving mass at 0 mm stroke               | 37.3 g                                                             |
| Additional moving mass per 10 mm stroke  | 4 g                                                                |
| Basic weight with 0 mm stroke            | 126 g                                                              |
| Additional weight per 10 mm stroke       | 7.2 g                                                              |
| Type of mounting                         | With accessories                                                   |
| Pneumatic connection                     | G1/8                                                               |
| 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                                         |