

Round cylinder DSNU-S-20-50-PPS-A-MX

Part number: 5225839

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|--|
| Stroke | 50 mm |
| Piston diameter | 20 mm |
| Piston rod thread | M8 |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Structural design | Piston Piston rod 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 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 | 0.2 J |
| Cushioning length | 15 mm |
| 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 |