

Round cylinder DSNU-S-16-80-P-A-MQ

Part number: 5216096

FESTO



 General operating condition

Data sheet

| Feature | Value |
|---|--|
| Stroke | 80 mm |
| Piston diameter | 16 mm |
| Piston rod thread | M6 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Structural design | Piston Piston rod Cylinder barrel |
| Position sensing | Via proximity switch |
| 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 | 0.15 J |
| Theoretical force at 6 bar, retracting | 103.7 N |
| Theoretical force at 6 bar, advancing | 120.6 N |
| Moving mass at 0 mm stroke | 18.3 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight with 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 |
| 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 |