

Round cylinder DSNU-1"-2"-PPV-A

Part number: 546416

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 50.8 mm |
| Piston diameter | 1" |
| Piston rod thread | 3/8-24 UNF-2A |
| Based on norm | ISO 6432 |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | Any |
| Piston rod end | External thread |
| Structural design | Piston Piston rod |
| Position sensing | For proximity sensor |
| Symbol | 00991235 |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa ... 1 MPa |
| Operating pressure | 1 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-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 0.30004 J |
| Cushioning length | 17.018 mm |
| Theoretical force at 6 bar, retracting | 247.321 N |
| Theoretical force at 6 bar, advancing | 294.472 N |
| Moving mass at 0 mm stroke | 70.988 g |
| Additional moving mass per 10 mm stroke | 6.01 g |
| Basic weight with 0 mm stroke | 237.998 g |
| Additional weight per 10 mm stroke | 11 g |
| Type of mounting | With accessories |
| Pneumatic connection | 1/8 NPT |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR TPE-U(PU) |
| Piston rod material | High-alloy stainless steel |
| Material of cylinder barrel | High-alloy stainless steel |