

Round cylinder DSNU-3/4"-5"-PPV-A

Part number: 546409

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 127 mm |
| Piston diameter | 3/4" |
| Piston rod thread | 5/16-24 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 | Via proximity switch |
| 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 | 0.199983 J |
| Cushioning length | 17.018 mm |
| Theoretical force at 6 bar, retracting | 158.357 N |
| Theoretical force at 6 bar, advancing | 188.605 N |
| Moving mass at 0 mm stroke | 43.999 g |
| Additional moving mass per 10 mm stroke | 3.997 g |
| Basic weight with 0 mm stroke | 186.798 g |
| Additional weight per 10 mm stroke | 7.201 g |
| Type of mounting | With accessories |
| Pneumatic connection | 1/8 NPT |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR TPE-U(PIU) |
| Piston rod material | high-alloy stainless steel |
| Material of cylinder barrel | high-alloy stainless steel |