

Round cylinder DSNU-5/16"-1/2"-P-A

Part number: 546394

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 12.7 mm |
| Piston diameter | 5/16" |
| Piston rod thread | 6-32 UNC-2A |
| Based on norm | ISO 6432 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Piston rod end | External thread |
| Structural design | Piston Piston rod |
| Position sensing | Via proximity switch |
| Symbol | 00991217 |
| 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 | 0.029964 J |
| Theoretical force at 6 bar, retracting | 22.686 N |
| Theoretical force at 6 bar, advancing | 30.248 N |
| Moving mass at 0 mm stroke | 7.513 g |
| Additional moving mass per 10 mm stroke | 0.992 g |
| Basic weight with 0 mm stroke | 34.587 g |
| Additional weight per 10 mm stroke | 2.41 g |
| Type of mounting | With accessories |
| Pneumatic connection | 10-32 UNF-2B |
| 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 |