

Round cylinder DSNU-5/8"-1"-PPV-A-B

Part number: 546389

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 1 in |
| Piston diameter | 5/8" |
| Piston rod thread | 10-32 UNF-2A |
| Based on standard | ISO 6432 |
| Cushioning | Pneumatic cushioning, adjustable at both ends |
| Mounting position | optional |
| Piston-rod end | Male thread |
| Design | Piston Piston rod |
| Position detection | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.1 MPa...1 MPa 1 bar...10 bar |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -4 °F...176 °F |
| Impact energy in end positions | 0.111 ft-lbf |
| Cushioning length | 0.55 in |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 23.3 lbf |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 27.1 lbf |
| Moving mass for 0 mm stroke | 0.811 oz |
| Additional moving mass per 10 mm stroke | 0.071 oz |
| Basic weight for 0 mm stroke | 3.17 oz |
| Additional weight per 10 mm stroke | 0.162 oz |
| Type of mounting | With accessories |
| Pneumatic connection | 10-32 UNF-2B |
| Material cover | Wrought aluminium alloy |

| Feature | Value |
|--------------------------|----------------------------|
| Material seals | NBR TPE-U(PU) |
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |