

round cylinder DSNU-1"-12"-PPV-A

Part number: 546415

FESTO

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With adjustable end-position cushioning.



Data sheet

| Feature | Value |
|--|---|
| Stroke | 12 " |
| Piston diameter | 1" |
| Piston rod thread | 3/8-24 UNF-2A |
| Based on the standard | ISO 6432 |
| Cushioning | PPV: Pneumatic cushioning adjustable at both ends |
| Assembly position | Any |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure MPa | 0.1 ... 1 MPa |
| Operating pressure | 1 ... 10 bar |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -4 ... 176 °F |
| Impact energy in end positions | 0.2213 ft-lbf |
| Cushioning length | 0.67 " |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 55.6 lbf |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 66.2 lbf |
| Moving mass with 0 mm stroke | 2.504 oz |
| Additional mass factor per 10 mm of stroke | 0.212 oz |
| Basic weight for 0 mm stroke | 8.395 oz |
| Additional weight per 10 mm stroke | 0.388 oz |
| Mounting type | with accessories |
| Pneumatic connection | 1/8 NPT |
| Material cover | Wrought Aluminium alloy |
| Material seals | NBR TPE-U(PU) |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | High alloy steel, non-corrosive |