

Standards-based cylinder

DSNU-10-50-P-A

Part number: 19186

FESTO

Based on DIN ISO 6432, for proximity sensing. Various mounting options, with or without additional mounting components. With elastic cushioning rings in the end positions.



Data sheet

| Feature | Value |
|----------------------------------------------------------|-----------------------------------------------------------------------------|
| Stroke | 50 mm |
| Piston diameter | 10 mm |
| Piston rod thread | M4 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Conforms to standard | CETOP RP 52 P ISO 6432 |
| Piston-rod end | Male thread |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Variants | Single-ended piston rod |
| Operating pressure MPa | 0.15 ... 1 MPa |
| Working pressure | 1.5 ... 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 |
| Cleanroom class | ISO class 6 |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 0.05 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 39.6 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 47.1 N |
| Moving mass with 0 mm stroke | 8.5 g |
| Additional mass factor per 10 mm of stroke | 1 g |
| Basic weight for 0 mm stroke | 37.3 g |
| Additional weight per 10 mm stroke | 2.7 g |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminum alloy neutral anodization |
| Material seals | NBR TPE-U(PU) |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | High alloy steel, non-corrosive |