

standards-based cylinder

DSNU-16-50-P-A

Part number: 19201

★ Core product range

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 | 16 mm |
| Piston rod thread | M6 |
| 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 | 0.1 ... 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 |
| Cleanroom class | ISO class 6 |
| Ambient temperature | -20 ... 80 °C |
| Impact energy in end positions | 0.15 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 103.7 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 120.6 N |
| Moving mass with 0 mm stroke | 23 g |
| Additional mass factor per 10 mm of stroke | 2 g |
| Basic weight for 0 mm stroke | 89.9 g |
| Additional weight per 10 mm stroke | 4.6 g |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Wrought Aluminium alloy neutral anodisation |
| Material seals | NBR TPE-U(PU) |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | High alloy steel, non-corrosive |