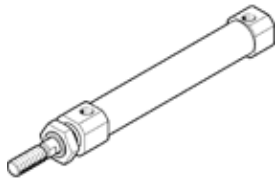


round cylinder DSNU-S-12-40-P-A-MQ

Part number: 5211901

★ Core product range

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 40 mm |
| Piston diameter | 12 mm |
| Piston rod thread | M6 |
| Cushioning | P: Flexible cushioning rings/plates at both ends |
| Assembly position | Any |
| Design structure | Piston Piston rod Cylinder barrel |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.15 ... 1 MPa |
| Operating 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-B2-L |
| Cleanroom class | ISO class 6 |
| Ambient temperature | -20 ... 80 °C |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 50.9 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 67.9 N |
| Moving mass with 0 mm stroke | 16.2 g |
| Additional mass factor per 10 mm of stroke | 2 g |
| Basic weight for 0 mm stroke | 35.9 g |
| Additional weight per 10 mm stroke | 4.2 g |
| Mounting type | with accessories |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover | Anodised wrought aluminium alloy |
| Material seals | TPE-U(PU) |
| Material piston rod | High alloy steel, non-corrosive |
| Material cylinder barrel | High alloy steel, non-corrosive |