

Round cylinder ESNU-50-50-P-A

Part number: 196384

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Stroke | 50 mm |
| Piston diameter | 50 mm |
| Piston rod thread | M16x1.5 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Structural design | Piston Piston rod Cylinder barrel |
| Position sensing | For proximity sensor |
| Symbol | 00991729 |
| Operating pressure | 0.12 MPa ... 1 MPa |
| Operating pressure | 1.2 bar ... 10 bar |
| Mode of operation | Pushing Single-acting |
| Operating medium | Compressed air as per ISO 8573-1:2010 [7:4:4] |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C ... 80 °C |
| Impact energy in the end positions | 1 J |
| Spring resetting force with piston rod in retracted position | 60 N |
| Theoretical force at 6 bar, retracting | 60 N |
| Theoretical force at 6 bar, advancing | 1072.8 N |
| Moving mass | 538 g |
| Moving mass at 0 mm stroke | 413 g |
| Additional moving mass per 10 mm stroke | 25 g |
| Product weight | 1287 g |
| Basic weight with 0 mm stroke | 1087 g |
| Additional weight per 10 mm stroke | 40 g |
| Type of mounting | With accessories |
| Pneumatic connection | G1/4 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Seals material | NBR TPE-U (PU) |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | High-alloy stainless steel |