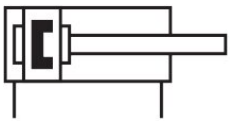
# ISO cylinder
# DSNU-12-100-P-A

Part number: 19194





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 100 mm |
| Piston diameter | 12 mm |
| Piston rod thread | M6 |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Conforms to standard | CETOP RP 52 P<br>ISO 6432 |
| Piston rod end | External thread |
| Structural design | Piston<br>Piston rod<br>Cylinder barrel |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.15 MPa...1 MPa<br>1.5 bar...10 bar |
| Mode of operation | Double-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 |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in the end positions | 0.07 J |
| Theoretical force at 6 bar, retracting | 50.9 N |
| Theoretical force at 6 bar, advancing | 67.9 N |
| Moving mass at 0 mm stroke | 18.5 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight with 0 mm stroke | 75 g |
| Additional weight per 10 mm stroke | 4 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Cover material | Wrought aluminum alloy |

| Feature | Value |
|---|---|
| | Colorless anodized |
| Seals material | NBR<br>TPE-U(PU) |
| Piston rod material | high-alloy stainless steel |
| Material of cylinder barrel | high-alloy stainless steel |