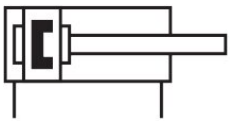
# Round cylinder
# DSNU-S-16-60-PPS-A-MQ

Part number: 5217242





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 60 mm |
| Piston diameter | 16 mm |
| Piston rod thread | M6 |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Design | Piston<br>Piston rod<br>Cylinder barrel |
| Position detection | Via proximity switch |
| Operating pressure | 0.08 MPa...1 MPa<br>0.8 bar...10 bar |
| Mode of operation | Double-acting |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1 |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in end positions | 0.15 J |
| Cushioning length | 12 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 103.7 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 120.6 N |
| Moving mass for 0 mm stroke | 18.3 g |
| Additional moving mass per 10 mm stroke | 2 g |
| Basic weight for 0 mm stroke | 48.9 g |
| Additional weight per 10 mm stroke | 4.8 g |
| Type of mounting | With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Material cover | Anodised wrought aluminium alloy |
| Material seals | TPE-U(PU) |

| Feature | Value |
|---|---|
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | High-alloy stainless steel |