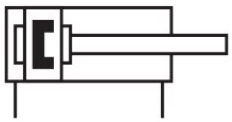
# Compact cylinder
# ADN-S-40-5-I-P-A

Part number: 5138606





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 5 mm |
| Piston diameter | 40 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | Internal thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.06 MPa...1 MPa<br>0.6 bar...10 bar |
| 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) | 1 - Low 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 | 0 °C...80 °C |
| Impact energy in the end positions | 0.7 J |
| Theoretical force at 6 bar, retracting | 686 N |
| Theoretical force at 6 bar, advancing | 754 N |
| Moving mass at 0 mm stroke | 62 g |
| Additional moving mass per 10 mm stroke | 9 g |
| Basic weight with 0 mm stroke | 304 g |
| Additional weight per 10 mm stroke | 45 g |
| Type of mounting | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Cover material | Wrought aluminum alloy, anodized |
| Material of dynamic seals | TPE-U(PU) |

| Feature | Value |
|---|---|
| Housing material | Wrought aluminum alloy, anodized |
| Piston rod material | high-alloy stainless steel |