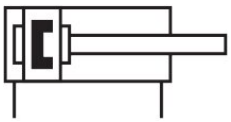
# Compact cylinder
# ADN-S-50-5-A-P-A

Part number: 8092081





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 5 mm |
| Piston diameter | 50 mm |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | External thread |
| Structural design | Piston<br>Piston rod |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.04 MPa...1 MPa<br>0.4 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 |
| Ambient temperature | 0 °C...80 °C |
| Impact energy in the end positions | 1 J |
| Theoretical force at 6 bar, retracting | 1057 N |
| Theoretical force at 6 bar, advancing | 1178 N |
| Moving mass at 0 mm stroke | 104 g |
| Additional moving mass per 10 mm stroke | 16 g |
| Basic weight with 0 mm stroke | 324 g |
| Additional weight per 10 mm stroke | 63 g |
| Type of mounting | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Cover material | Wrought aluminum alloy, anodized |
| Material of dynamic seals | TPE-U(PU) |
| Housing material | Wrought aluminum alloy, anodized |

| Feature | Value |
| --- | --- |
| Piston rod material | high-alloy stainless steel |