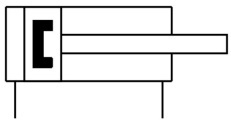
# Compact air cylinder
# ADN-S-10-5-A-A

Part number: 8080587





## Data sheet

| Feature | Value |
|---|---|
| Housing material | Anodized<br>Wrought aluminum alloy |
| Stroke | 5 mm |
| Piston diameter | 10 mm |
| Type code | ADN-S |
| Cushioning | No cushioning |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Piston rod end | External thread |
| Design | Piston rod<br>Piston |
| Position sensing | For proximity sensor |
| Symbol | 00991216 |
| Variants | Piston rod at one end |
| Operating pressure | 1 bar ... 8 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 |
| Ambient temperature | -10 °C ... 60 °C |
| Impact energy in the end positions | 0.012 J |
| Theoretical force at 6 bar, retracting | 30.2 N |
| Theoretical force at 6 bar, advancing | 47 N |
| Moving mass | 4.5 g |
| Product weight | 17 g |
| Type of mounting | With through-hole |
| Pneumatic connection | M3 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Material of dynamic seals | NBR<br>TPE-U(PU) |
| Piston rod material | High-alloy stainless steel |