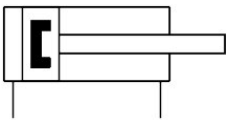
# Compact cylinder
# ADN-S-10-10-I-A

Part number: 5177085





## Data sheet

| Feature | Value |
|---|---|
| Stroke | 10 mm |
| Piston diameter | 10 mm |
| Cushioning | No cushioning |
| 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 | 0.1 MPa...0.8 MPa<br>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 |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1 |
| 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 | 5.7 g |
| Product weight | 19 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) |
| Housing material | Wrought aluminum alloy<br>Anodized |
| Piston rod material | high-alloy stainless steel |