# Compact cylinder
# ADN-25-50-A-PPS-A

Part number: 577188



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 50 mm |
| Piston diameter | 25 mm |
| Piston rod thread | M8 |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Conforms to standard | ISO 21287 |
| Piston rod end | External thread |
| Position sensing | Via proximity switch |
| Variants | Piston rod at one end |
| Operating pressure | 0.15 MPa...1 MPa<br>1.5 bar...10 bar |
| Mode of operation | Double-acting |
| 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) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/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 the end positions | 0.3 J |
| Cushioning length | 3.5 mm |
| Theoretical force at 6 bar, retracting | 247 N |
| Theoretical force at 6 bar, advancing | 295 N |
| Moving mass | 71 g |
| Product weight | 302 g |
| Type of mounting | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Flange screws material | Steel |
| Cover material | Wrought aluminum alloy, anodized |

| Feature | Value |
|---|---|
| Seals material | TPE-U(PUR) |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |