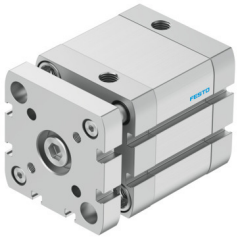
# Compact cylinder
# ADNGF-50-25-PPS-A

Part number: 574043



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 25 mm |
| Piston diameter | 50 mm |
| Based on norm | ISO 21287 |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Structural design | Piston<br>Piston rod<br>Profile barrel |
| Position sensing | Via proximity switch |
| Protection against torsion/guide | Guide rod with yoke |
| Operating pressure | 0.14 MPa...1 MPa<br>1.4 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 |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in the end positions | 2.8 J |
| Cushioning length | 6 mm |
| Theoretical force at 6 bar, retracting | 1057 N |
| Theoretical force at 6 bar, advancing | 1178 N |
| Moving mass | 377 g |
| Product weight | 830 g |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Flange screws material | Steel |
| Cover material | Wrought aluminum alloy, anodized |
| Seals material | TPE-U(PUR) |
| End plate material | Wrought aluminum alloy, anodized |
| Piston rod material | High-alloy steel |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |