# Compact cylinder
# ADNGF-25- -

Part number: 537126



## Data sheet

| Feature | Value |
|---|---|
| Stroke | 3 mm...200 mm |
| Piston diameter | 25 mm |
| Based on standard | ISO 21287 |
| Cushioning | Elastic cushioning rings/plates at both ends<br>Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Design | Piston<br>Piston rod<br>Profile barrel |
| Position detection | Via proximity switch |
| Variants | EX protection approval (ATEX)<br>Advancing stroke adjustment<br>Through piston rod<br>Heat-resistant seals max. 120°C<br>Laser etched rating plate |
| Protection against torque/guide | Guide rod with yoke |
| Operating pressure | 0.1 MPa...1 MPa<br>1 bar...10 bar |
| Mode of operation | Double-acting |
| CE mark (see declaration of conformity) | To EU Explosion Protection Directive (ATEX) |
| UKCA marking (see declaration of conformity) | To UK EX instructions |
| Explosion protection certification outside the EU | EPL Db (GB)<br>EPL Gb (GB) |
| Explosion protection | Zone 1 (ATEX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| ATEX category gas | II 2G |
| ATEX category dust | II 2D |
| Explosion ignition protection type for gas | Ex h IIC T4 Gb |
| Explosion ignition protection type for dust | Ex h IIIC T120°C Db |
| Explosion ambient temperature | -20°C <= Ta <= +60°C |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |

| Feature | Value |
|---|---|
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Ambient temperature | -20 °C...120 °C |
| Impact energy in end positions | 0.3 J |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 247 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N |
| Pneumatic connection | M5 |
| Note on materials | RoHS compliant |
| Material collar screws | Steel |
| Material cover | Anodised wrought aluminium alloy |
| Material seals | TPE-U(PUR) |
| Material end plate | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy steel |
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |