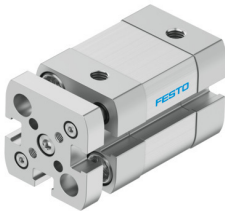


# Compact cylinder ADNGF-12-5-P-A

Part number: 554205

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 5 mm   |
| Piston diameter  | 12 mm  |
| Based on standard  | ISO 21287  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Design   | Piston<br>Piston rod<br>Profile barrel   |
| Position detection   | Via proximity switch   |
| Protection against torque/guide                              | Guide rod with yoke  |
| Operating pressure   | 0.15 MPa...1 MPa<br>1.5 bar...10 bar   |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:4:4]  |
| 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...80 °C   |
| Impact energy in end positions                               | 0.07 J   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 51 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 68 N   |
| Moving mass  | 24 g   |
| Product weight   | 83 g   |
| 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  |