

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

Part number: 554236

FESTO



 General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 50 mm  |
| Piston diameter  | 25 mm  |
| Based on standard  | ISO 21287  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | Any  |
| Design   | Piston<br>Piston rod<br>Profile barrel   |
| Position detection   | Via proximity switch   |
| Protection against torque/guide                              | Guide rod with yoke  |
| Operating pressure   | 0.1 MPa ... 1 MPa  |
| Operating pressure   | 1 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                               | 0.3 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  |
| Moving mass  | 126 g  |
| Product weight   | 354 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  |