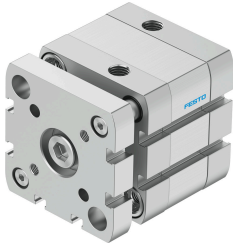


# Compact cylinder ADNGF-50-10-PPS-A

Part number: 574040

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 10 mm  |
| Piston diameter  | 50 mm  |
| Based on standard  | ISO 21287  |
| Cushioning   | Self-adjusting pneumatic end-position cushioning   |
| 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   | 0.14 MPa...1 MPa<br>1.4 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                               | 2.8 J  |
| Cushioning length  | 6 mm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 1057 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N   |
| Moving mass  | 335 g  |
| Product weight   | 735 g  |
| Pneumatic connection   | G1/8   |
| 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   |

| Feature                  | Value                                   |
|--------------------------|---|
| Material cylinder barrel | Smooth-anodised wrought aluminium alloy |