

# Compact cylinder ADN-S-10-5-A-A

Part number: 8080587

**FESTO**



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 5 mm   |
| Piston diameter  | 10 mm  |
| Cushioning   | No cushioning  |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod   |
| Position detection   | Via proximity switch   |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.1 MPa...0.8 MPa<br>1 bar...8 bar   |
| 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-B2-L   |
| Cleanroom class  | Class 6 according to ISO 14644-1   |
| Ambient temperature  | -10 °C...60 °C   |
| Impact energy in end positions                               | 0.012 J  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 30.2 N   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 47 N   |
| Moving mass  | 4.5 g  |
| Product weight   | 17 g   |
| Type of mounting   | With through-hole  |
| Pneumatic connection   | M3   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Wrought aluminium alloy  |
| Material dynamic seals                                       | NBR<br>TPE-U(PU)   |
| Material housing   | Wrought aluminium alloy<br>Anodised  |
| Material piston rod  | High-alloy stainless steel   |

