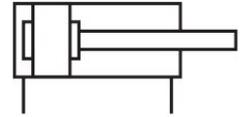


# Compact cylinder ADN-S-12-5-A-P

Part number: 8091419

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 5 mm   |
| Piston diameter  | 12 mm  |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Mode of operation  | Double-acting  |
| Piston-rod end   | Male thread  |
| Design   | Piston<br>Piston rod   |
| Variants   | Piston rod at one end  |
| Operating pressure   | 0.1 MPa...1 MPa<br>1 bar...10 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                               | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                       | VDMA24364-B2-L   |
| Cleanroom suitability, measured according to ISO 14644-14    | Class 5 according to ISO 14644-1   |
| Ambient temperature  | 0 °C...80 °C   |
| Impact energy in end positions                               | 0.06 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 for 0 mm stroke                                  | 3.5 g  |
| Additional moving mass per 10 mm stroke                      | 2 g  |
| Basic weight for 0 mm stroke                                 | 26 g   |
| Additional weight per 10 mm stroke                           | 15 g   |
| Type of mounting   | Either:<br>With through-hole<br>Via female thread<br>With accessories                      |
| Pneumatic connection   | M5   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Anodised wrought aluminium alloy   |
| Material dynamic seals                                       | NBR  |

| Feature             | Value                            |
|---------------------|----------------------------------|
| Material housing    | Anodised wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel       |