

# compact cylinder

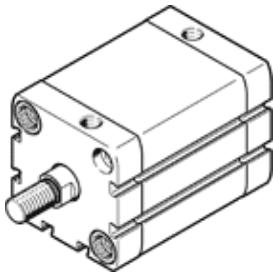
## ADN-50-5-A-P-A

Part number: 536310

★ Core product range

Per ISO 21287, with position sensing and external piston rod thread

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 5 mm   |
| Piston diameter  | 50 mm  |
| Piston rod thread  | M12x1,25   |
| Cushioning   | P: Flexible cushioning rings/plates at both ends                                   |
| Assembly position  | Any  |
| Conforms to standard                                     | ISO 21287  |
| Piston-rod end   | Male thread  |
| Position detection                                       | For proximity sensor   |
| Variants   | Single-ended piston rod  |
| Operating pressure MPa                                   | 0.06 ... 1 MPa   |
| Operating pressure                                       | 0.6 ... 10 bar   |
| Mode of operation  | double-acting  |
| Operating medium   | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                           |
| Note on operating and pilot medium                       | Lubricated operation possible (subsequently required for further operation)        |
| Corrosion resistance classification CRC                  | 2 - Moderate corrosion stress  |
| PWIS conformity  | VDMA24364-B1/B2-L  |
| Ambient temperature                                      | -20 ... 80 °C  |
| Impact energy in end positions                           | 1 J  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 1,057 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance    | 1,178 N  |
| Moving mass with 0 mm stroke                             | 140 g  |
| Additional mass factor per 10 mm of stroke               | 16 g   |
| Basic weight for 0 mm stroke                             | 540 g  |
| Additional weight per 10 mm stroke                       | 51 g   |
| Mounting type  | with through hole<br>with internal (female) thread<br>with accessories<br>Optional |
| Pneumatic connection                                     | G1/8   |
| Materials note   | Conforms to RoHS   |
| Material of flange screw                                 | Steel  |
| Material cover   | Anodised wrought aluminium alloy   |
| Material seals   | TPE-U(PUR)   |
| Material piston rod                                      | High alloy steel   |
| Material cylinder barrel                                 | Smooth-anodised wrought aluminium alloy  |