

# Compact air cylinder ADN-5/8"" - -

Part number: 557031

FESTO



## Data sheet

| Feature                                  | Value   |
|--|---|
| Stroke                                   | 0,039 in...11,8 in  |
| Piston diameter                          | 5/8"  |
| Based on norm                            | ISO 21287   |
| Cushioning                               | Elastic cushioning rings/pads at both ends  |
| Mounting position                        | Any   |
| Mode of operation                        | Double-acting   |
| Structural design                        | Piston<br>Piston rod<br>Profile barrel  |
| Position sensing                         | For proximity sensor  |
| Variants                                 | Extended external thread piston rod<br>Extended piston rod<br>With anti-twist protection<br>High corrosion protection<br>Through piston rod<br>Through, hollow piston rod<br>Heat-resistant seals max. 120°C<br>Piston rod at one end |
| Protection against torsion/guide         | Square piston rod   |
| Operating pressure                       | 0.1 MPa...1 MPa<br>1 bar...10 bar<br>14.5 psi...145 psi   |
| Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]   |
| Information on operating and pilot media | Operation with oil lubrication possible (required for further use)  |
| Corrosion resistance class (CRC)         | 2 - Moderate corrosion stress<br>3 - High corrosion stress  |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L   |
| Ambient temperature                      | -4 °F...248 °F  |
| Theoretical force at 6 bar, retracting   | 20,2 lbf  |
| Theoretical force at 6 bar, advancing    | 20,2 lbf...27,2 lbf   |
| Type of mounting                         | Optionally:<br>With through-hole<br>With internal thread<br>With accessories  |
| Pneumatic connection                     | 10-32 UNF-2B  |
| Flange screws material                   | Steel   |

| <b>Feature</b>              | <b>Value</b>                            |
|-----------------------------|---|
| Cover material              | Wrought aluminum alloy, anodized        |
| Piston rod material         | High-alloy steel                        |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |