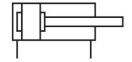
## Compact cylinder ADN-S-16-10-A-P Part number: 8091670







## **Data sheet**

| Feature                                  | Value   |
|--|---|
| Stroke                                   | 10 mm   |
| Piston diameter                          | 16 mm   |
| Cushioning                               | Elastic cushioning rings/pads at both ends                          |
| Mounting position                        | Any   |
| Mode of operation                        | Double-acting   |
| Piston rod end                           | External thread   |
| Structural design                        | Piston<br>Piston rod  |
| Variants                                 | Piston rod at one end   |
| Operating pressure                       | 0.1 MPa1 MPa<br>1 bar10 bar   |
| 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)         | 1 - Low corrosion stress  |
| LABS (PWIS) conformity                   | VDMA24364-B2-L  |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                    |
| Ambient temperature                      | 0 °€60 °€   |
| Impact energy in the end positions       | 0.1 J   |
| Theoretical force at 6 bar, retracting   | 90 N  |
| Theoretical force at 6 bar, advancing    | 121 N   |
| Moving mass at 0 mm stroke               | 6 g   |
| Additional moving mass per 10 mm stroke  | 4 g   |
| Basic weight with 0 mm stroke            | 32.5 g  |
| Additional weight per 10 mm stroke       | 18 g  |
| Type of mounting                         | With through-hole With internal thread With accessories Optionally: |
| Pneumatic connection                     | M5  |
| Note on materials                        | RoHS-compliant  |
| Cover material                           | Wrought aluminum alloy, anodized                                    |
| Material of dynamic seals                | NBR   |
| Housing material                         | Wrought aluminum alloy, anodized                                    |

| Feature             | Value                      |
|---------------------|----------------------------|
| Piston rod material | High-alloy stainless steel |