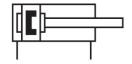
## Compact cylinder ADN-12-50-A-P-A

Part number: 8178548







## **Data sheet**

| Feature                                  | Value   |
|--|---|
| Stroke                                   | 50 mm   |
| Piston diameter                          | 12 mm   |
| Piston rod thread                        | M5  |
| Based on norm                            | ISO 21287   |
| Cushioning                               | Elastic cushioning rings/pads at both ends                          |
| Mounting position                        | Any   |
| Mode of operation                        | Double-acting Double-acting   |
| Piston rod end                           | External thread   |
| Position sensing                         | For proximity sensor  |
| Variants                                 | Piston rod at one end   |
| Operating pressure                       | 0.1 MPa1 MPa<br>1 bar10 bar<br>14.5 psi145 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                                       |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L   |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                    |
| Ambient temperature                      | -20 °C80 °C   |
| Impact energy in the end positions       | 0.07 J  |
| Theoretical force at 6 bar, retracting   | 51 N  |
| Theoretical force at 6 bar, advancing    | 68 N  |
| Moving mass                              | 22 g  |
| Product weight                           | 126 g   |
| Type of mounting                         | With through-hole With internal thread With accessories Optionally: |
| Pneumatic connection                     | M5  |
| Note on materials                        | RoHS-compliant  |
| Flange screws material                   | Steel   |
| Cover material                           | Wrought aluminum alloy, anodized                                    |
| Seals material                           | TPE-U(PUR)  |

| Feature                     | Value                                   |
|-----------------------------|---|
| Piston rod material         | High-alloy steel                        |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |