

# Compact cylinder ADN-S-6-10-A

Part number: 8080596

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 10 mm  |
| Piston diameter   | 6 mm   |
| Cushioning  | No cushioning  |
| Mounting position   | Any  |
| Mode of operation   | Double-acting  |
| Piston rod end  | External thread  |
| Structural design   | Piston<br>Piston rod   |
| Symbol  | 00991215   |
| Variants  | Piston rod at one end  |
| Operating pressure  | 0.2 MPa ... 0.8 MPa  |
| Operating pressure  | 2 bar ... 8 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)                          | 2 - Moderate 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                                       | -10 °C ... 60 °C   |
| Impact energy in the end positions                        | 0.006 J  |
| Theoretical force at 6 bar, retracting                    | 9.4 N  |
| Theoretical force at 6 bar, advancing                     | 17 N   |
| Moving mass   | 2.3 g  |
| Product weight  | 15 g   |
| Type of mounting  | With through-hole  |
| Pneumatic connection                                      | M3   |
| Note on materials   | RoHS compliant   |
| Cover material  | Wrought aluminum alloy   |
| Material of dynamic seals                                 | NBR<br>TPE-U(PU)   |
| Housing material  | Anodized   |
| Piston rod material                                       | high-alloy stainless steel   |