

# Compact cylinder ADN-32-80-A-P-A

Part number: 536277

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 80 mm  |
| Piston diameter   | 32 mm  |
| Piston rod thread   | M10x1.25   |
| Cushioning  | Elastic cushioning rings/pads at both ends                         |
| Mounting position   | Any  |
| Conforms to standard                                      | ISO 21287  |
| Piston rod end  | External thread  |
| Position sensing  | For proximity sensor   |
| Symbol  | 00991217   |
| Variants  | Piston rod at one end  |
| Operating pressure  | 0.06 MPa ... 1 MPa   |
| Operating pressure  | 0.6 bar ... 10 bar   |
| Mode of operation   | Double-acting  |
| 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 suitability, measured according to ISO 14644-14 | Class 5 according to ISO 14644-1                                   |
| Ambient temperature                                       | -20 °C ... 80 °C   |
| Impact energy in the end positions                        | 0.4 J  |
| Theoretical force at 6 bar, retracting                    | 415 N  |
| Theoretical force at 6 bar, advancing                     | 483 N  |
| Moving mass   | 149 g  |
| Product weight  | 501 g  |
| Type of mounting  | With through-hole<br>With internal thread<br>With accessories      |
| Pneumatic connection                                      | G1/8   |
| Note on materials   | RoHS-compliant   |
| Flange screws material                                    | Steel  |
| Cover material  | Wrought aluminum alloy, anodized                                   |
| Seals material  | TPE-U(PUR)   |
| Piston rod material                                       | High-alloy steel   |
| Material of cylinder barrel                               | Wrought aluminum alloy, smooth-anodized                            |