

# Compact cylinder ADN-S-20-5-A-P

Part number: 8091431

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 5 mm   |
| Piston diameter                          | 20 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   |
| Symbol                                   | 00991227   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.06 MPa ... 1 MPa   |
| Operating pressure                       | 0.6 bar ... 10 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 °C ... 60 °C   |
| Impact energy in the end positions       | 0.14 J   |
| Theoretical force at 6 bar, retracting   | 141 N  |
| Theoretical force at 6 bar, advancing    | 188 N  |
| Moving mass at 0 mm stroke               | 11 g   |
| Additional moving mass per 10 mm stroke  | 6 g  |
| Basic weight with 0 mm stroke            | 51 g   |
| Additional weight per 10 mm stroke       | 26 g   |
| Type of mounting                         | Optionally:<br>With through-hole<br>With internal thread<br>With accessories |
| 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   |
| Piston rod material                      | High-alloy stainless steel   |