

# Compact air cylinder ADN-S-50-25-I-P-A

Part number: 5138192

FESTO



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 25 mm  |
| Piston diameter                          | 50 mm  |
| Cushioning                               | Elastic cushioning rings/pads at both ends                                   |
| Mounting position                        | Any  |
| Mode of operation                        | Double-acting  |
| Piston rod end                           | Internal thread  |
| Structural design                        | Piston<br>Piston rod   |
| Position sensing                         | For proximity sensor   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.04 MPa...1 MPa<br>0.4 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   |
| Ambient temperature                      | 0 °C...60 °C   |
| Impact energy in the end positions       | 1 J  |
| Theoretical force at 6 bar, retracting   | 1057 N   |
| Theoretical force at 6 bar, advancing    | 1178 N   |
| Moving mass at 0 mm stroke               | 104 g  |
| Additional moving mass per 10 mm stroke  | 16 g   |
| Basic weight with 0 mm stroke            | 324 g  |
| Additional weight per 10 mm stroke       | 63 g   |
| Type of mounting                         | Optionally:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection                     | G1/8   |
| Note on materials                        | RoHS-compliant   |
| Cover material                           | Wrought aluminum alloy, anodized   |
| Material of dynamic seals                | TPE-U(PU)  |
| Housing material                         | Wrought aluminum alloy, anodized   |

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