

# Compact cylinder ADN-S-40-25-I-P

Part number: 5138600

FESTO



## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 25 mm  |
| Piston diameter   | 40 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   |
| Variants  | Additional PTFE piston guide   |
| Operating pressure  | 0.06 MPa...1 MPa<br>0.6 bar...10 bar<br>8.7 psi...145 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)                          | 1 - Low 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                                       | 0 °C...80 °C   |
| Impact energy in the end positions                        | 0.36 J   |
| Theoretical force at 6 bar, retracting                    | 686 N  |
| Theoretical force at 6 bar, advancing                     | 754 N  |
| Moving mass at 0 mm stroke                                | 56 g   |
| Additional moving mass per 10 mm stroke                   | 9 g  |
| Basic weight with 0 mm stroke                             | 186 g  |
| Additional weight per 10 mm stroke                        | 45 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                                 | NBR  |

| Feature             | Value                            |
|---------------------|----------------------------------|
| Housing material    | Wrought aluminum alloy, anodized |
| Piston rod material | High-alloy stainless steel       |