

# Compact air cylinder ADN-25-40-A-PPS-A

Part number: 577187

**FESTO**



## Data sheet

| Feature                                  | Value  |
|--|--|
| Stroke                                   | 40 mm  |
| Piston diameter                          | 25 mm  |
| Piston rod thread                        | M8   |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                             |
| Mounting position                        | Any  |
| Conforms to standard                     | ISO 21287  |
| Piston rod end                           | External thread  |
| Position sensing                         | For proximity sensor   |
| Variants                                 | Piston rod at one end  |
| Operating pressure                       | 0.15 MPa...1 MPa<br>1.5 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 class                          | Class 6 according to ISO 14644-1   |
| Ambient temperature                      | -20 °C...80 °C   |
| Impact energy in the end positions       | 0.3 J  |
| Cushioning length                        | 3.5 mm   |
| Theoretical force at 6 bar, retracting   | 247 N  |
| Theoretical force at 6 bar, advancing    | 295 N  |
| Moving mass                              | 65 g   |
| Product weight                           | 276 g  |
| Type of mounting                         | With through-hole<br>With internal thread<br>With accessories<br>Optionally: |
| Pneumatic connection                     | M5   |
| Note on materials                        | RoHS-compliant   |
| Flange screws material                   | Steel  |
| Cover material                           | Wrought aluminum alloy, anodized   |

| Feature                     | Value                                   |
|-----------------------------|---|
| Seals material              | TPE-U(PUR)                              |
| Piston rod material         | High-alloy steel                        |
| Material of cylinder barrel | Wrought aluminum alloy, smooth-anodized |