

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

Part number: 577179

FESTO



 [General operating condition](#)

## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                    | 40 mm                                                              |
| Piston diameter                                           | 25 mm                                                              |
| Piston rod thread                                         | M6                                                                 |
| Cushioning                                                | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position                                         | Any                                                                |
| Conforms to standard                                      | ISO 21287                                                          |
| Piston rod end                                            | Internal thread                                                    |
| Position sensing                                          | For proximity sensor                                               |
| Symbol                                                    | 00991217                                                           |
| Variants                                                  | Piston rod at one end                                              |
| Operating pressure                                        | 0.15 MPa ... 1 MPa                                                 |
| Operating pressure                                        | 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 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                        | 0.3 J                                                              |
| Cushioning length                                         | 3.5 mm                                                             |
| Theoretical force at 6 bar, retracting                    | 247 N                                                              |
| Theoretical force at 6 bar, advancing                     | 295 N                                                              |
| Moving mass                                               | 56 g                                                               |
| Product weight                                            | 276 g                                                              |
| Type of mounting                                          | With through-hole<br>With internal thread<br>With accessories      |
| Pneumatic connection                                      | M5                                                                 |
| 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                            |