

# Compact cylinder ADN-25-30-I-PPS-A

Part number: 577178

FESTO



 General operating condition

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 30 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 class                          | 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                              | 49 g                                                               |
| Product weight                           | 250 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                            |