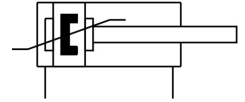


# Compact air cylinder ADN-80-40-A-PPS-A

Part number: 572732

FESTO



## Data sheet

| Feature                                  | Value                                                                        |
|------------------------------------------|------------------------------------------------------------------------------|
| Stroke                                   | 40 mm                                                                        |
| Piston diameter                          | 80 mm                                                                        |
| Piston rod thread                        | M16x1.5                                                                      |
| Type code                                | ADN                                                                          |
| 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                                                         |
| Symbol                                   | 00992970                                                                     |
| Variants                                 | Piston rod at one end                                                        |
| Operating pressure                       | 0.1 MPa ... 1 MPa                                                            |
| Operating pressure                       | 1 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 conformity                          | VDMA24364-B1/B2-L                                                            |
| Ambient temperature                      | -20 °C ... 80 °C                                                             |
| Impact energy in the end positions       | 8 J                                                                          |
| Cushioning length                        | 7.5 mm                                                                       |
| Theoretical force at 6 bar, retracting   | 2827 N                                                                       |
| Theoretical force at 6 bar, advancing    | 3016 N                                                                       |
| Moving mass at 0 mm stroke               | 400 g                                                                        |
| Additional weight per 10 mm stroke       | 79 g                                                                         |
| Basic weight with 0 mm stroke            | 1121 g                                                                       |
| Additional moving mass per 10 mm stroke  | 25 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                           | Die-cast aluminum, coated                                                    |
| Seals material                           | TPE-U(PUR)                                                                   |
| Piston rod material                      | High-alloy steel                                                             |

| Feature                     | Value                                     |
|-----------------------------|-------------------------------------------|
| Material of cylinder barrel | Wrought aluminum alloy<br>Smooth anodized |