

# Compact cylinder ADN-80-50-I-P-A

Part number: 536369

**FESTO**



## Data sheet

| Feature                                  | Value                                                                           |
|------------------------------------------|---------------------------------------------------------------------------------|
| Stroke                                   | 50 mm                                                                           |
| Piston diameter                          | 80 mm                                                                           |
| Piston rod thread                        | M12                                                                             |
| Cushioning                               | Elastic cushioning rings/pads at both ends                                      |
| Mounting position                        | Any                                                                             |
| Conforms to standard                     | ISO 21287                                                                       |
| Piston rod end                           | Internal thread                                                                 |
| Position sensing                         | Via proximity switch                                                            |
| Variants                                 | Piston rod at one end                                                           |
| Operating pressure                       | 0.06 MPa...1 MPa<br>0.6 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                                                               |
| Ambient temperature                      | -20 °C...80 °C                                                                  |
| Impact energy in the end positions       | 1.8 J                                                                           |
| Theoretical force at 6 bar, retracting   | 2827 N                                                                          |
| Theoretical force at 6 bar, advancing    | 3016 N                                                                          |
| Moving mass                              | 391 g                                                                           |
| Product weight                           | 1374 g                                                                          |
| Type of mounting                         | Alternatively:<br>With through-hole<br>With internal thread<br>With accessories |
| Pneumatic connection                     | G1/8                                                                            |
| Note on materials                        | RoHS compliant                                                                  |
| Flange screws material                   | Steel                                                                           |
| 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, smooth-anodized |