

# Compact cylinder ADNGF-80-10-PPS-A

Part number: 574058

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 10 mm                                                              |
| Piston diameter                          | 80 mm                                                              |
| Based on norm                            | ISO 21287                                                          |
| Cushioning                               | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position                        | Any                                                                |
| Structural design                        | Piston<br>Piston rod<br>Profile barrel                             |
| Position sensing                         | Via proximity switch                                               |
| Protection against torsion/guide         | Guide rod with yoke                                                |
| Operating pressure                       | 0.14 MPa...1 MPa<br>1.4 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       | 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                              | 812 g                                                              |
| Product weight                           | 1571 g                                                             |
| Pneumatic connection                     | G1/8                                                               |
| Note on materials                        | RoHS compliant                                                     |
| Flange screws material                   | Steel                                                              |
| Cover material                           | Die-cast aluminum, coated                                          |
| Seals material                           | TPE-U(PUR)                                                         |
| End plate material                       | Wrought aluminum alloy, anodized                                   |
| Piston rod material                      | High-alloy steel                                                   |
| Material of cylinder barrel              | Wrought aluminum alloy, smooth-anodized                            |