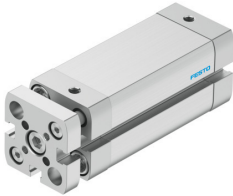


# Compact cylinder ADNGF-20-50-PPS-A

Part number: 577 214

**FESTO**



## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 50 mm                                                              |
| Piston diameter                          | 20 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                       | 0.19 MPa...1 MPa<br>1.9 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       | 0.2 J                                                              |
| Cushioning length                        | 3 mm                                                               |
| Theoretical force at 6 bar, retracting   | 141 N                                                              |
| Theoretical force at 6 bar, advancing    | 188 N                                                              |
| Moving mass                              | 110 g                                                              |
| Product weight                           | 282 g                                                              |
| Pneumatic connection                     | M5                                                                 |
| Note on materials                        | RoHS compliant                                                     |
| Flange screws material                   | Steel                                                              |
| Cover material                           | Wrought aluminum alloy, anodized                                   |
| 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                            |