

# Pancake cylinder DPCA-...-...-2 1/2"- -

Part number: 8104876

**FESTO**



 General operating condition

## Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature                                  | Value                                                                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Stroke                                   | 3.175 mm ... 101.6 mm                                                                                                                                |
| Piston diameter                          | 2 1/2"                                                                                                                                               |
| Piston rod thread                        | 1/2-20 UNF-2B<br>1/2-20 UNF-2A                                                                                                                       |
| Cushioning                               | No cushioning<br>Elastic cushioning rings/pads at both ends<br>Elastic cushioning rings/plates, at front<br>Elastic cushioning rings/plates, at rear |
| Mounting position                        | Any                                                                                                                                                  |
| Mode of operation                        | Double-acting<br>Pushing<br>Single-acting<br>Pulling                                                                                                 |
| Piston rod end                           | External thread<br>Internal thread                                                                                                                   |
| Structural design                        | Piston<br>Piston rod<br>Cylinder barrel                                                                                                              |
| Position sensing                         | For proximity sensor                                                                                                                                 |
| Variants                                 | Stroke adjustment extending/at front<br>Through piston rod<br>Through, hollow piston rod<br>Additional PTFE piston guide                             |
| Protection against torsion/guide         | Piston guide pin                                                                                                                                     |
| Operating pressure                       | 0.207 bar ... 10.342 bar                                                                                                                             |
| 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)                                                                                   |
| LABS (PWIS) conformity                   | VDMA24364 zone III                                                                                                                                   |
| Ambient temperature                      | -32 °C ... 121 °C                                                                                                                                    |
| Product weight                           | 648.637 g ... 2145.49 g                                                                                                                              |
| Type of mounting                         | With through-hole<br>With accessories                                                                                                                |
| Pneumatic connection                     | Internal thread G1/8<br>Internal thread 1/8 NPT                                                                                                      |
| Note on materials                        | RoHS-compliant                                                                                                                                       |
| Cover material                           | Wrought aluminum alloy                                                                                                                               |
| Material of dynamic seals                | FPM<br>NBR                                                                                                                                           |
| Piston rod material                      | High-alloy steel                                                                                                                                     |

| Feature                     | Value                  |
|-----------------------------|------------------------|
| Material of cylinder barrel | Wrought aluminum alloy |