

# Compact cylinder DPCS-100-10-F-P

Part number: 1499021  
Product to be discontinued

FESTO

Type to be discontinued. Available until 2017. See Support Portal for alternative products.



## Data sheet

| Feature                                    | Value   |
|--|---|
| Stroke                                     | 10 mm   |
| Piston diameter                            | 100 mm  |
| Cushioning                                 | P: Flexible cushioning rings/plates at both ends                            |
| Assembly position                          | Any   |
| Mode of operation                          | double-acting   |
| Piston-rod end                             | Female thread   |
| Design structure                           | Piston<br>Piston rod<br>Cylinder barrel                                     |
| Position detection                         | No  |
| Working pressure                           | 0.6 ... 10 bar  |
| Operating medium                           | Compressed air in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium         | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC    | 2 - Moderate corrosion stress   |
| Ambient temperature                        | -20 ... 80 °C   |
| Impact energy in end positions             | 1.2 J   |
| Theoretical force at 6 bar, return stroke  | 4,288 N   |
| Theoretical force at 6 bar, advance stroke | 4,712 N   |
| Moving mass                                | 416 g   |
| Product weight                             | 1,827 g   |
| Mounting type                              | Optional<br>with through hole<br>with thread                                |
| Pneumatic connection                       | G3/8  |
| Materials note                             | Conforms to RoHS  |
| Materials information for cover            | Wrought Aluminum alloy  |
| Materials information for dynamic seals    | NBR<br>TPE-U(PU)  |
| Materials information for piston rod       | High alloy steel  |
| Materials information for cylinder barrel  | Wrought Aluminum alloy  |