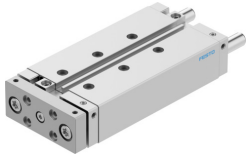


# Guided drive DFM-20-100-B-PPV-A-GF

Part number: 8161417

**FESTO**



 General operating condition

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 100 mm                                                             |
| Piston diameter                          | 20 mm                                                              |
| Drive unit operating mode                | Yoke                                                               |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any                                                                |
| Guide                                    | Sliding guide                                                      |
| Structural design                        | Guide                                                              |
| Position sensing                         | For proximity sensor                                               |
| Operating pressure                       | 0.2 MPa ... 1 MPa                                                  |
| Operating pressure                       | 2 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                                                  |
| Cleanroom class                          | Class 7 according to ISO 14644-1                                   |
| Ambient temperature                      | -20 °C ... 80 °C                                                   |
| Impact energy in the end positions       | 0.2 J                                                              |
| Theoretical force at 6 bar, retracting   | 158 N                                                              |
| Theoretical force at 6 bar, advancing    | 188 N                                                              |
| Alternative connections                  | See product drawing                                                |
| Pneumatic connection                     | M5                                                                 |
| Note on materials                        | RoHS-compliant                                                     |
| Cover material                           | Wrought aluminum alloy                                             |
| Seals material                           | NBR                                                                |
| Housing material                         | Wrought aluminum alloy                                             |
| Piston rod material                      | High-alloy stainless steel                                         |