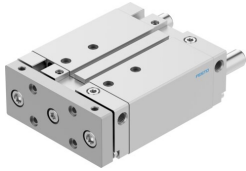


# Guided drive DFM-50-80-B-PPV-A-KF

Part number: 8161449

**FESTO**



 [General operating condition](#)

## Data sheet

| Feature                                  | Value                                                              |
|------------------------------------------|--------------------------------------------------------------------|
| Stroke                                   | 80 mm                                                              |
| Piston diameter                          | 50 mm                                                              |
| Drive unit operating mode                | Yoke                                                               |
| Cushioning                               | Pneumatic cushioning, adjustable at both ends                      |
| Mounting position                        | Any                                                                |
| Guide                                    | Recirculating ball bearing guide                                   |
| Structural design                        | Guide                                                              |
| Position sensing                         | For proximity sensor                                               |
| Operating pressure                       | 0.1 MPa ... 1 MPa                                                  |
| Operating pressure                       | 1 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)         | 0 - No corrosion stress                                            |
| LABS (PWIS) conformity                   | VDMA24364-B1/B2-L                                                  |
| Cleanroom class                          | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                      | -5 °C ... 60 °C                                                    |
| Impact energy in the end positions       | 1 J                                                                |
| Theoretical force at 6 bar, retracting   | 1057 N                                                             |
| Theoretical force at 6 bar, advancing    | 1178 N                                                             |
| Alternative connections                  | See product drawing                                                |
| Pneumatic connection                     | G1/4                                                               |
| 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                                         |