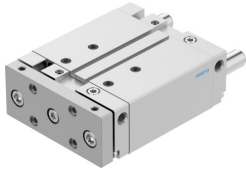


# Guided drive

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

Part number: 8161449

**FESTO**



## 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                                         |
| Structural design                                         | Guide                                                              |
| Position sensing                                          | Via proximity switch                                               |
| Operating pressure                                        | 0.1 MPa...1 MPa<br>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 suitability, measured according to ISO 14644-14 | 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                                         |