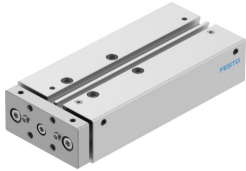


# Guided drive DFM-16-80-B-PPV-A-KF

Part number: 559463

FESTO



 General operating condition

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 80 mm  |
| Piston diameter   | 16 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  | 0.2 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)                          | 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                        | 0.15 J   |
| Theoretical force at 6 bar, retracting                    | 104 N  |
| Theoretical force at 6 bar, advancing                     | 121 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   |