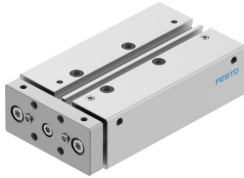


# Guided drive DFM-16-50-B-PPV-A-GF

Part number: 8162433

FESTO



 General operating condition

## Data sheet

| Feature                                                      | Value                                                                                      |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Stroke                                                       | 50 mm                                                                                      |
| Piston diameter                                              | 16 mm                                                                                      |
| Operating mode, drive unit                                   | Yoke                                                                                       |
| Cushioning                                                   | Pneumatic cushioning, adjustable at both ends                                              |
| Mounting position                                            | optional                                                                                   |
| Guide                                                        | Plain-bearing guide                                                                        |
| Design                                                       | Guidance                                                                                   |
| Position detection                                           | 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 to ISO 8573-1:2010 [7:4:4]                                                  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 2 - Moderate corrosion stress                                                              |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L                                                                          |
| Cleanroom class                                              | Class 6 according to ISO 14644-1                                                           |
| Ambient temperature                                          | -20 °C ... 80 °C                                                                           |
| Impact energy in end positions                               | 0.15 J                                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 104 N                                                                                      |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 121 N                                                                                      |
| alternative connections                                      | See product drawing                                                                        |
| Pneumatic connection                                         | M5                                                                                         |
| Note on materials                                            | RoHS-compliant                                                                             |
| Material cover                                               | Wrought aluminium alloy                                                                    |
| Material seals                                               | NBR                                                                                        |
| Material housing                                             | Wrought aluminium alloy                                                                    |
| Material piston rod                                          | High-alloy stainless steel                                                                 |