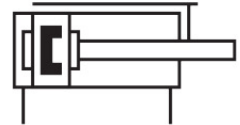


# Mini guided drive DFC-6-20-P-A-GF

Part number: 189458

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature                                                          | Value                                                                                      |
|------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
| Distance from centre of gravity of load to yoke plate xs         | 10 mm                                                                                      |
| Stroke                                                           | 20 mm                                                                                      |
| Piston diameter                                                  | 6 mm                                                                                       |
| Operating mode, drive unit                                       | Yoke                                                                                       |
| Cushioning                                                       | Elastic cushioning rings/plates at both ends                                               |
| Mounting position                                                | optional                                                                                   |
| Guide                                                            | Plain-bearing guide                                                                        |
| Design                                                           | Guidance                                                                                   |
| Position detection                                               | Via proximity switch                                                                       |
| Symbol                                                           | 00991737                                                                                   |
| Operating pressure                                               | 0.15 MPa ... 1 MPa                                                                         |
| Operating pressure                                               | 1.5 bar ... 10 bar                                                                         |
| Max. speed                                                       | 1 m/s                                                                                      |
| 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-B2-L                                                                             |
| Ambient temperature                                              | -5 °C ... 60 °C                                                                            |
| Impact energy in end positions                                   | 0.008 J                                                                                    |
| Max. moment Mx                                                   | 0.1 Nm                                                                                     |
| Max. effective load dependent upon stroke at defined distance xs | 4.8 N                                                                                      |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke      | 12.5 N                                                                                     |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke     | 17 N                                                                                       |
| Moving mass                                                      | 8.8 g                                                                                      |
| Moving mass for 0 mm stroke                                      | 8.8 g                                                                                      |
| Additional moving mass per 10 mm stroke                          | 2.8 g                                                                                      |
| Product weight                                                   | 44 g                                                                                       |
| Pneumatic connection                                             | M3                                                                                         |
| Material cover                                                   | Wrought aluminium alloy                                                                    |
| Material seals                                                   | NBR                                                                                        |
| Material housing                                                 | Wrought aluminium alloy                                                                    |
| Material piston rod                                              | High-alloy stainless steel                                                                 |