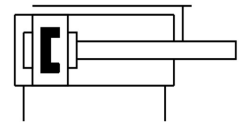


# Mini guided actuator DFC-6-25-P-A-GF

Part number: 189459

FESTO



## Data sheet

| Feature                                                         | Value                                                              |
|-----------------------------------------------------------------|--------------------------------------------------------------------|
| Distance of centre of gravity of payload to yoke plate xs       | 10 mm                                                              |
| Stroke                                                          | 25 mm                                                              |
| Piston diameter                                                 | 6 mm                                                               |
| Type code                                                       | DFC                                                                |
| Drive unit operating mode                                       | Yoke                                                               |
| Cushioning                                                      | Elastic cushioning rings/pads at both ends                         |
| Mounting position                                               | Any                                                                |
| Guide                                                           | Sliding guide                                                      |
| Design                                                          | Guide                                                              |
| Position sensing                                                | For proximity sensor                                               |
| Symbol                                                          | 00991737                                                           |
| Operating pressure                                              | 1.5 bar ... 10 bar                                                 |
| Max. speed                                                      | 1 m/s                                                              |
| 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)                                | 2 - Moderate corrosion stress                                      |
| Ambient temperature                                             | -5 °C ... 60 °C                                                    |
| Impact energy in the end positions                              | 0.008 J                                                            |
| Max. torque Mx                                                  | 0.1 Nm                                                             |
| Max. payload as a function of the stroke at defined distance xs | 4.8 N                                                              |
| Theoretical force at 6 bar, retracting                          | 12.5 N                                                             |
| Theoretical force at 6 bar, advancing                           | 17 N                                                               |
| Moving mass                                                     | 8.8 g                                                              |
| Moving mass at 0 mm stroke                                      | 8.8 g                                                              |
| Product weight                                                  | 49 g                                                               |
| Additional moving mass per 10 mm stroke                         | 2.8 g                                                              |
| Pneumatic connection                                            | M3                                                                 |
| Cover material                                                  | Wrought aluminum alloy                                             |
| Seals material                                                  | NBR                                                                |
| Housing material                                                | Wrought aluminum alloy                                             |
| Piston rod material                                             | High-alloy stainless steel                                         |