

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

Part number: 189458

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Distance of centre of gravity of payload to yoke plate xs       | 10 mm  |
| Stroke  | 20 mm  |
| Piston diameter   | 6 mm   |
| Drive unit operating mode                                       | Yoke   |
| Cushioning  | Elastic cushioning rings/pads at both ends                         |
| Mounting position   | Any  |
| Guide   | Sliding guide  |
| Structural design   | Guide  |
| Position sensing  | For proximity sensor   |
| 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 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                                      |
| LABS (PWIS) conformity  | VDMA24364-B2-L   |
| 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  |
| Additional moving mass per 10 mm stroke                         | 2.8 g  |
| Product weight  | 44 g   |
| Pneumatic connection  | M3   |
| Cover material  | Wrought aluminum alloy   |
| Seals material  | NBR  |
| Housing material  | Wrought aluminum alloy   |
| Piston rod material   | High-alloy stainless steel   |