

# Guided actuator DFM-25-20-P-A-GF

Part number: 170847

**FESTO**



## Data sheet

| Feature   | Value  |
|---|--|
| Distance of centre of gravity of payload to yoke plate xs       | 50 mm  |
| Max. permissible torque load Mx as a function of the stroke     | 4.1 Nm   |
| Stroke  | 20 mm  |
| Piston diameter   | 25 mm  |
| Type code   | DFM  |
| 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  | 0.8 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)                                | 1 - Low corrosion stress   |
| Ambient temperature   | -20 °C ... 80 °C   |
| Impact energy in the end positions                              | 0.3 J  |
| Max. payload as a function of the stroke at defined distance xs | 121 N  |
| Theoretical force at 6 bar, retracting                          | 247 N  |
| Theoretical force at 6 bar, advancing                           | 295 N  |
| Moving mass   | 650 g  |
| Product weight  | 1256 g   |
| Alternative connections   | See product drawing  |
| Pneumatic connection  | G1/8   |
| 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   |