

Guided actuator DGRF-C-GF-20- -P

Part number: 562216

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 10 mm...400 mm |
| Piston diameter | 20 mm |
| Drive unit operating mode | Yoke |
| Cushioning | Elastic cushioning rings/pads at both ends |
| Mounting position | Any |
| Guide | Sliding guide |
| Structural design | Guide |
| Variants | For unlubricated operation |
| Operating pressure | 0.2 MPa...1 MPa 2 bar...10 bar |
| 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) | 3 - High corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| For use in the food industry | See supplementary material information |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in the end positions | 0.2 J |
| Theoretical force at 6 bar, retracting | 141 N |
| Theoretical force at 6 bar, advancing | 189 N |
| Torsional backlash | 0.125 deg |
| Moving mass at 0 mm stroke | 417 g |
| Additional moving mass per 10 mm stroke | 37.7 g |
| Basic weight with 0 mm stroke | 885 g |
| Additional weight per 10 mm stroke | 52 g |
| Type of mounting | With through-hole With internal thread Optionally: |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Cover material | Wrought aluminum alloy |
| Guide rod material | High-alloy stainless steel |

| Feature | Value |
|-----------------------------|----------------------------|
| Housing material | Wrought aluminum alloy |
| Piston rod material | High-alloy stainless steel |
| Material of cylinder barrel | Wrought aluminum alloy |