

Guided drive DGRF-C-GF-50- -

Part number: 562220

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 10 mm...400 mm |
| Piston diameter | 50 mm |
| Operating mode, drive unit | Yoke |
| Cushioning | Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends |
| Mounting position | optional |
| Guide | Plain-bearing guide |
| Design | Guidance |
| Position detection | Via proximity switch |
| Variants | For unlubricated operation |
| Operating pressure | 0.15 MPa...1.2 MPa 1.5 bar...12 bar |
| 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 | 3 - high corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitable for use with food | See supplementary material information |
| Ambient temperature | -20 °C...80 °C |
| Impact energy in end positions | 1 J |
| Cushioning length | 22 mm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 990 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 1178 N |
| Torsional backlash | 0.069 deg |
| Moving mass for 0 mm stroke | 1792 g |
| Additional moving mass per 10 mm stroke | 101.7 g |
| Basic weight for 0 mm stroke | 4797 g |
| Additional weight per 10 mm stroke | 136.6 g |
| Type of mounting | With through-hole Via female thread Either: |
| Pneumatic connection | G1/4 |

| Feature | Value |
|--------------------------|------------------------------|
| Note on materials | RoHS-compliant |
| Material cover | Die-cast aluminium Coated |
| Material guide rod | High-alloy stainless steel |
| Material housing | Wrought aluminium alloy |
| Material piston rod | High-alloy stainless steel |
| Material cylinder barrel | Wrought aluminium alloy |