

# Guided drive DGRC-GF-20- -PA

Part number: 8225638

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Distance from centre of gravity of load to yoke plate xs     | 50 mm  |
| Stroke   | 5 mm...100 mm  |
| Piston diameter  | 20 mm  |
| Operating mode, drive unit                                   | Yoke   |
| Cushioning   | Elastic cushioning rings/plates at both ends   |
| Mounting position  | optional   |
| Guide  | Plain-bearing guide  |
| Design   | Guidance   |
| Position detection   | Via proximity switch   |
| Protection against torque/guide                              | Guide rod with yoke  |
| Operating pressure   | 0.2 MPa...1 MPa<br>2 bar...10 bar  |
| Max. speed   | 0.8 m/s  |
| 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                               | 0 - No corrosion stress  |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| Suitability for the production of Li-ion batteries           | Suitable for battery production according to the Festo internal definition of the degree of severity F1A with restrictions regarding the use of Cu/Zn/Ni |
| Ambient temperature  | -10 °C...60 °C   |
| Impact energy in end positions                               | 0.2 Nm   |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 141 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 188 N  |
| Torsional backlash   | 0.055 deg  |
| Product weight   | 364.6 g...871.3 g  |
| Pneumatic connection   | M5   |
| Note on materials  | RoHS-compliant   |
| Material cover   | Wrought aluminium alloy  |
| Material seals   | NBR  |

| <b>Feature</b>         | <b>Value</b>                     |
|------------------------|----------------------------------|
| Material dynamic seals | TPE-U(PU)                        |
| Material end plate     | Anodised wrought aluminium alloy |
| Material guide rod     | High-alloy steel                 |
| Material housing       | Anodised wrought aluminium alloy |
| Material piston rod    | High-alloy steel                 |