

# Linear actuator DLGF-KF-20-300-PPSA

Part number: 5074942

FESTO



 [General operating condition](#)

## Data sheet

| Feature   | Value  |
|---|--|
| Stroke  | 300 mm   |
| Piston diameter   | 20 mm  |
| Cushioning  | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position   | Any  |
| Guide   | Recirculating ball bearing guide                                   |
| Driver principle  | Positive locking (slot)  |
| Position sensing  | For proximity sensor   |
| Symbol  | 00991254   |
| Operating pressure  | 0.2 MPa ... 0.8 MPa  |
| Operating pressure  | 2 bar ... 8 bar  |
| Mode of operation   | Double-acting  |
| Operating medium  | Compressed air as per ISO 8573-1:2010 [7:-:-]                      |
| Information on operating and pilot media                  | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)                          | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                    | VDMA24364-B1/B2-L  |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1                                   |
| Ambient temperature                                       | 0 °C ... 60 °C   |
| Cushioning length   | 9.6 mm   |
| Max. force F <sub>y</sub>                                 | 600 N  |
| Max. force F <sub>z</sub> (towards actuator)              | 700 N  |
| Max. force +F <sub>z</sub> (away from actuator)           | 400 N  |
| Max. torque M <sub>x</sub>                                | 5.4 Nm   |
| Max. torque M <sub>y</sub>                                | 15 Nm  |
| Max. torque M <sub>z</sub>                                | 15 Nm  |
| Theoretical force at 6 bar, retracting                    | 188 N  |
| Theoretical force at 6 bar, advancing                     | 188 N  |
| Moving mass   | 470 g  |
| Product weight  | 2079 g   |
| Alternative connections                                   | See product drawing  |
| Type of mounting  | With accessories   |
| Pneumatic connection                                      | M5   |
| Note on materials   | RoHS-compliant<br>Copper-free                                      |
| Cover material  | Die-cast aluminum, coated  |

| <b>Feature</b>   | <b>Value</b>       |
|------------------|--------------------|
| Seals material   | NBR<br>TPE-U(PU)   |
| Housing material | Aluminum, anodized |