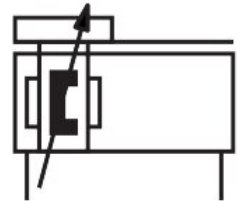


# Linear actuator DLGF-KF-25-300-PPSA

Part number: 507 2374

**FESTO**



## Data sheet

| Feature                                                   | Value                                                              |
|-----------------------------------------------------------|--------------------------------------------------------------------|
| Stroke                                                    | 300 mm                                                             |
| Piston diameter                                           | 25 mm                                                              |
| Cushioning                                                | Self-adjusting pneumatic end-position cushioning                   |
| Mounting position                                         | Any                                                                |
| Guide                                                     | Recirculating ball bearing                                         |
| Driver principle                                          | Positive locking (slot)                                            |
| Position sensing                                          | Via proximity switch                                               |
| Operating pressure                                        | 0.15 MPa...0.8 MPa<br>1.5 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 mm                                                               |
| Max. force F <sub>y</sub>                                 | 1000 N                                                             |
| Max. force F <sub>z</sub> (towards actuator)              | 1200 N                                                             |
| Max. force +F <sub>z</sub> (away from actuator)           | 700 N                                                              |
| Max. torque M <sub>x</sub>                                | 12.3 Nm                                                            |
| Max. torque M <sub>y</sub>                                | 30 Nm                                                              |
| Max. torque M <sub>z</sub>                                | 30 Nm                                                              |
| Theoretical force at 6 bar, retracting                    | 295 N                                                              |
| Theoretical force at 6 bar, advancing                     | 295 N                                                              |
| Moving mass                                               | 760 g                                                              |
| Product weight                                            | 3000 g                                                             |
| Alternative connections                                   | See product drawing                                                |
| Type of mounting                                          | Direct mounting via through-hole<br>With accessories               |
| Pneumatic connection                                      | G1/8                                                               |

| Feature           | Value                            |
|-------------------|----------------------------------|
| Note on materials | RoHS compliant<br>Free of copper |
| Cover material    | Die-cast aluminum, coated        |
| Seals material    | NBR<br>TPE-U(PU)                 |
| Housing material  | Anodized aluminum                |