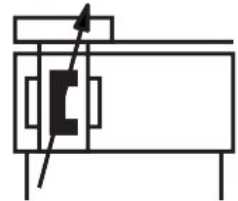


# Linear actuator DLGF-KF-25-300-PPSA

Part number: 5072374

FESTO



 [General operating condition](#)

## 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 guide                                   |
| Driver principle                                | Positive locking (slot)                                            |
| Position sensing                                | For proximity sensor                                               |
| Symbol                                          | 00991254                                                           |
| Operating pressure                              | 0.15 MPa ... 0.8 MPa                                               |
| Operating pressure                              | 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                                                  |
| 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                                | With accessories                                                   |
| Pneumatic connection                            | G1/8                                                               |
| Note on materials                               | RoHS-compliant<br>Copper-free                                      |
| Cover material                                  | Die-cast aluminum, coated                                          |

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