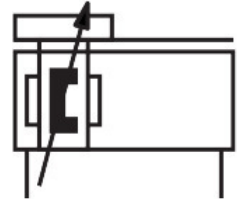


# Linear drive

## DLGF-KF-20-250-PPSA

Part number: 5074941

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| Stroke   | 250 mm   |
| Piston diameter  | 20 mm  |
| Cushioning   | Self-adjusting pneumatic end-position cushioning   |
| Mounting position  | optional   |
| Guide  | Recirculating ball bearing guide   |
| Coupling design  | Positive-locking (slot)  |
| Position detection   | Via proximity switch   |
| Operating pressure   | 0.2 MPa...0.8 MPa<br>2 bar...8 bar   |
| Mode of operation  | Double-acting  |
| Operating medium   | Compressed air to ISO 8573-1:2010 [7:-:-]  |
| Note on operating and pilot medium                           | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC                               | 1 - Low corrosion stress   |
| LABS (PWIS) conformity                                       | VDMA24364-B1/B2-L  |
| 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 drive)                   | 700 N  |
| Max. force +F <sub>z</sub> (away from drive)                 | 400 N  |
| Max. moment M <sub>x</sub>                                   | 5.4 Nm   |
| Max. moment M <sub>y</sub>                                   | 15 Nm  |
| Max. moment M <sub>z</sub>                                   | 15 Nm  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  | 188 N  |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 188 N  |
| Moving mass  | 470 g  |
| Product weight   | 1901 g   |
| alternative connections                                      | See product drawing  |
| Type of mounting   | Direct mounting via through-hole<br>With accessories                                       |
| Pneumatic connection   | M5   |

| Feature           | Value                            |
|-------------------|----------------------------------|
| Note on materials | RoHS-compliant<br>Free of copper |
| Material cover    | Cast aluminium, coated           |
| Material seals    | NBR<br>TPE-U(PU)                 |
| Material housing  | Anodised aluminium               |