

Linear drive DLGF-KF-25-150-PPSA

Part number: 5072371

FESTO



[PDF General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Stroke | 150 mm |
| Piston diameter | 25 mm |
| Cushioning | Self-adjusting pneumatic end-position cushioning |
| Mounting position | Any |
| Guide | Recirculating ball bearing guide |
| Coupling design | Positive-locking (slot) |
| Position detection | Via proximity switch |
| 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 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 |
| 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 _y | 1000 N |
| Max. force -F _z (towards drive) | 1200 N |
| Max. force +F _z (away from drive) | 700 N |
| Max. moment M _x | 12.3 Nm |
| Max. moment M _y | 30 Nm |
| Max. moment M _z | 30 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke | 295 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke | 295 N |
| Moving mass | 760 g |
| Product weight | 2323 g |
| alternative connections | See product drawing |
| Type of mounting | With accessories |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant Copper-free |

| Feature | Value |
|------------------|------------------------|
| Material cover | Cast aluminium, coated |
| Material seals | NBR TPE-U(PU) |
| Material housing | Anodised aluminium |