

Linear drive

DLGF-KF-20-500-PPSA

Part number: 5074946

FESTO



Data sheet

| Feature | Value |
|--|--|
| Stroke | 500 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 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 _y | 600 N |
| Max. force -F _z (towards drive) | 700 N |
| Max. force +F _z (away from drive) | 400 N |
| Max. moment M _x | 5.4 Nm |
| Max. moment M _y | 15 Nm |
| Max. moment M _z | 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 | 2784 g |
| alternative connections | See product drawing |
| Type of mounting | Direct mounting via through-hole With accessories |
| Pneumatic connection | M5 |

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