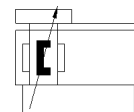
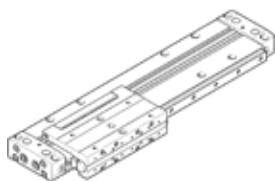


linear drive DLGF-KF-25-500-PPSA

Part number: 5072378

FESTO



Data sheet

| Feature | Value |
|--|---|
| Stroke | 500 mm |
| Piston diameter | 25 mm |
| Cushioning | PPS: Self-adjusting pneumatic end-position cushioning |
| Assembly position | Any |
| Guide | Recirculating ball bearing guide |
| Driver principle | positive-locking (slot) |
| Position detection | For proximity sensor |
| Operating pressure MPa | 0.15 ... 0.8 MPa |
| Operating pressure | 1.5 ... 8 bar |
| Mode of operation | double-acting |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:-:-] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Ambient temperature | 0 ... 60 °C |
| Cushioning length | 9 mm |
| Max. force F _y | 1,000 N |
| Max. force F _z (towards the drive) | 1,200 N |
| Max. force +F _z (away from the drive) | 700 N |
| Max. torque M _x | 12.3 Nm |
| Max. torque M _y | 30 Nm |
| Max. torque M _z | 30 Nm |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting | 295 N |
| Theoretical force at 0.6 MPa (6 bar, 87 psi), advance | 295 N |
| Moving mass | 760 g |
| Product weight | 3,901 g |
| alternative connections | See product drawing |
| Mounting type | Direct mounting via through-holes with accessories |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS Free of copper |
| Material cover | Die-cast aluminium, coated |
| Material seals | NBR TPE-U(PU) |
| Material housing | Anodised aluminium |