

# Linear actuator

## DLGF-KF-25-500-PPSA

Part number: 507 2378

FESTO



## Data sheet

Feature	Value
Stroke	500 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
Operating pressure	0.15 MPa...0.8 MPa 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	3901 g
Alternative connections	See product drawing
Type of mounting	Direct mounting via through-hole With accessories
Pneumatic connection	G1/8

Feature	Value
Note on materials	RoHS-compliant Copper-free
Cover material	Die-cast aluminum, coated
Seals material	NBR TPE-U(PU)
Housing material	Aluminum, anodized