

# Linear drive DLGF-KF-25-500-PPSA

Part number: 5072378

FESTO



[PDF General operating condition](#)

## 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
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 <sub>y</sub>	1000 N
Max. force -F <sub>z</sub> (towards drive)	1200 N
Max. force +F <sub>z</sub> (away from drive)	700 N
Max. moment M <sub>x</sub>	12.3 Nm
Max. moment M <sub>y</sub>	30 Nm
Max. moment M <sub>z</sub>	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	3901 g
alternative connections	See product drawing
Type of mounting	With accessories
Pneumatic connection	G1/8
Note on materials	RoHS compliant Copper-free

<b>Feature</b>	<b>Value</b>
Material cover	Cast aluminium, coated
Material seals	NBR TPE-U(PU)
Material housing	Anodised aluminium