

Linear drive DLGF-G-40-500-PPSA

Part number: 5074742

FESTO



 General operating condition

Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	40 mm
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	Any
Guide	Basic Guide
Coupling design	Positive-locking (slot)
Position detection	Via proximity switch
Symbol	00995280
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	12.9 mm
Max. force F_y	0 N
Max. force $-F_z$ (towards drive)	662 N
Max. force $+F_z$ (away from drive)	456 N
Max. moment M_x	7.7 Nm
Max. moment M_y	37.6 Nm
Max. moment M_z	11.2 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	754 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	754 N
Moving mass	450 g
Product weight	7257 g
alternative connections	See product drawing
Type of mounting	With accessories
Pneumatic connection	G1/4
Note on materials	RoHS compliant Copper-free

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