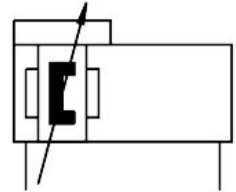


Linear drive

DLGF-G-25-500-PPSA

Part number: 507 2358

FESTO



Data sheet

Feature	Value
Stroke	500 mm
Piston diameter	25 mm
Cushioning	Self-adjusting pneumatic end-position cushioning
Mounting position	optional
Guide	Basic guide
Coupling design	Positive-locking (slot)
Position detection	Via proximity switch
Operating pressure	0.15 MPa...0.8 MPa 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
Ambient temperature	0 °C...60 °C
Cushioning length	9 mm
Max. force F _y	0 N
Max. force -F _z (towards drive)	164 N
Max. force +F _z (away from drive)	95 N
Max. moment M _x	1.1 Nm
Max. moment M _y	4.5 Nm
Max. moment M _z	1.4 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	110 g
Product weight	2712 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 Free of copper
Material cover	Cast aluminium, coated
Material seals	NBR TPE-U(PU)
Material housing	Anodised aluminium