

Linear drive DGPL-50- -

Part number: 175137

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 3000 mm
Piston diameter	50 mm
Cushioning	Pneumatic cushioning, adjustable at both ends Shock absorber, hard characteristic curve
Mounting position	optional
Guide	Plain-bearing guide Basic guide Recirculating ball bearing guide
Coupling design	Positive-locking (slot)
Position detection	Via proximity switch Via attached displacement encoder With integrated displacement encoder
Variants	Supply port at both ends Standard slide Extended slide
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Mode of operation	Double-acting
Explosion ambient temperature	-10 °C ≤ Ta ≤ +60 °C
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	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Degree of protection	IP65
Ambient temperature	-10 °C ... 60 °C
Cushioning length	30 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1178 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
alternative connections	See product drawing
Pneumatic connection	G1/4
Material cover	Die-cast aluminium Coated
Material seals	NBR TPE-U(PU)
Material housing	Anodised