

Linear actuator DGPL-50- -

Part number: 175137

FESTO



Data sheet

Feature	Value
Stroke	10 mm...3000 mm
Piston diameter	50 mm
Cushioning	Pneumatic cushioning, adjustable at both ends Pneumatic shock absorber, hard characteristic curve
Mounting position	Any
Guide	Sliding guide Basic guide Recirculating ball bearing guide
Driver principle	Positive locking (slot)
Position sensing	For proximity sensor With linear potentiometer attached With integrated linear potentiometer
Variants	Supply port at both ends Standard slide Extended slide
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
Mode of operation	Double-acting
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX)
ATEX category gas	II 2G
Type of ignition protection for gas	Ex h IIC T4 Gb X
Explosive ambient temperature	-10°C ≤ Ta ≤ +60°C
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)	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

Feature	Value
Theoretical force at 6 bar, retracting	1178 N
Theoretical force at 6 bar, advancing	1178 N
Alternative connections	See product drawing
Pneumatic connection	G1/4
Cover material	Cast aluminum Coated
Seals material	NBR TPE-U(PU)
Housing material	Aluminum Anodized