

Linear actuator DGP-25- -

Part number: 175134

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 3000 mm
Piston diameter	25 mm
Type code	DGP DGPI DGPL DGPIL
Cushioning	Pneumatic cushioning, adjustable at both ends Pneumatic shock absorber, hard characteristic curve
Mounting position	Any
Guide	Heavy-duty guide Recirculating ball bearing guide Sliding guide Basic guide
Driver principle	Positive locking (slot)
Position sensing	With integrated linear potentiometer For proximity sensor With linear potentiometer attached
Variants	Protected version Standard slide Supply port at both ends Extended slide Front clamping unit Rear clamping unit Clamping unit, bottom version
Operating pressure	2 bar ... 8 bar
Mode of operation	Double-acting
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
Explosion prevention and protection	Zone 2 (ATEX) Zone 1 (ATEX)
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)
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Corrosion resistance class (CRC)	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
Degree of protection	IP65
Ambient temperature	-10 °C ... 60 °C
Cushioning length	18 mm

Feature	Value
Theoretical force at 6 bar, retracting	295 N
Theoretical force at 6 bar, advancing	295 N
Alternative connections	See product drawing
Pneumatic connection	G1/8
Note on materials	Free of copper and PTFE
Cover material	Coated Cast aluminum
Seals material	TPE-U(PU) NBR
Housing material	Anodized Aluminum