

Linear drive DGP-50- -

Part number: 175137

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 3000 mm
Piston diameter	50 mm
Short type code	DGP DGPI DGPIL DGPL
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	1.5 bar ... 8 bar
Mode of operation	Double-acting
ATEX category gas	II 2G
Explosion ignition protection type for gas	Ex h IIC T4 Gb X
Explosion ambient temperature	-10°C ≤ Ta ≤ +60°C
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX)
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)
CE mark (see declaration of conformity)	To 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	30 mm
Theoretical force at 6 bar, return stroke	1178 N
Theoretical force at 6 bar, advance stroke	1178 N
alternative connections	See product drawing

Feature	Value
Pneumatic connection	G1/4
Note on materials	Copper/PTFE-free
Material cover	Die-cast aluminium Coated
Material seals	NBR TPE-U(PU)
Material housing	Aluminium Anodised