

# Linear drive DGPL-80- -

Part number: 175139

FESTO



## Data sheet

Feature	Value
Stroke	10 mm...3000 mm
Piston diameter	80 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
Variants	Supply port at both ends Standard slide
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
Mode of operation	Double-acting
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection	Zone 1 (ATEX) Zone 2 (ATEX)
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
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
Ambient temperature	-10 °C...60 °C
Cushioning length	83 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	3016 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	3016 N
alternative connections	See product drawing

Feature	Value
Pneumatic connection	G1/2
Material cover	Die-cast aluminium Coated
Material seals	NBR TPE-U(PU)
Material housing	Aluminium Anodised