

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