

# Linear actuator DGP-18- -

Part number: 175133

FESTO



## Data sheet

Feature	Value
Stroke	10 mm...1800 mm
Piston diameter	18 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 Heavy-duty guide
Driver principle	Positive locking (slot)
Position sensing	For proximity sensor
Variants	Supply port at both ends Protected version Standard slide Extended slide Rear clamping unit Clamping unit, underneath Front clamping unit
Operating pressure	0.2 MPa...0.8 MPa 2 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
Ambient temperature	-10 °C...60 °C

<b>Feature</b>	<b>Value</b>
Cushioning length	16 mm
Theoretical force at 6 bar, retracting	153 N
Theoretical force at 6 bar, advancing	153 N
Alternative connections	See product drawing
Pneumatic connection	M5
Cover material	Cast aluminum Coated
Seals material	NBR TPE-U(PU)
Housing material	Aluminum Anodized