

Linear actuator DGC-50- -

Part number: 532450

FESTO



Data sheet

Feature	Value
Stroke	1 mm...5000 mm
Piston diameter	50 mm
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends Pneumatic shock absorber, hard characteristic curve Pneumatic shock absorber, soft characteristic curve
Mounting position	Any
Guide	Plain-bearing guide Basic guide Recirculating ball bearing
Position sensing	Via proximity switch
Variants	Axis clamping unit Additional slide, standard, on left Additional slide, standard on right
Operating pressure	0.15 MPa...0.8 MPa 1.5 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 protection certification outside the EU	EPL Dc (GB) EPL Gb (GB)
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (UKEX)
ATEX category gas	II 2G
ATEX category for dust	II 3D
Type of ignition protection for gas	Ex h IIC T4 Gb X
Type of (ignition) protection for dust	Ex h IIIC T120°C Dc 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

Feature	Value
LABS (PWIS) conformity	VDMA24364-B1/B2-L
For use in the food industry	See supplementary material information
Ambient temperature	-10 °C...60 °C
Cushioning length	29.8 mm
Theoretical force at 6 bar, retracting	1178 N
Theoretical force at 6 bar, advancing	1178 N
Alternative connections	See product drawing
Type of mounting	With accessories
Pneumatic port on clamping unit	M5
Note on materials	RoHS compliant
Cover material	Wrought aluminum alloy
Seals material	NBR TPE-U(PU)