

Linear drive DGC-50- -

Part number: 532450

FESTO



Data sheet

Feature	Value
Stroke	1 mm...5000 mm
Piston diameter	50 mm
Cushioning	Elastic cushioning rings/plates at both ends Pneumatic cushioning, adjustable at both ends Shock absorber, hard characteristic curve Shock absorber, soft characteristic curve
Mounting position	optional
Guide	Plain-bearing guide Basic guide Recirculating ball bearing guide
Position detection	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 mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gb (GB)
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (UKEX)
ATEX category gas	II 2G
ATEX category dust	II 3D
Explosion ignition protection type for gas	Ex h IIC T4 Gb X
Explosion ignition protection type for dust	Ex h IIIC T120°C Dc 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)

Feature	Value
Corrosion resistance class CRC	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Suitable for use with food	See supplementary material information
Ambient temperature	-10 °C...60 °C
Cushioning length	29.8 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	1178 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
alternative connections	See product drawing
Type of mounting	With accessories
Pneumatic connection, clamping unit	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)