Linear drive
DGC-18- -

Part number: 532446



Data sheet

Feature	Value
Stroke	1 mm...3000 mm
Piston diameter	18 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	Any
Guide	Plain-bearing guide Basic Guide Recirculating ball bearing guide
Position detection	Via proximity switch
Variants	Protected recirculating ball bearing guide Additional slide, standard, on left Additional slide, standard, on right
Operating pressure	0.2 MPa...0.8 MPa 2 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)
Corrosion resistance class CRC	1 - Low corrosion stress 2 - Moderate corrosion stress

Feature	Value
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Suitable for use with food	See supplementary material information
Ambient temperature	-10 °C...60 °C
Cushioning length	16.5 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	153 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	153 N
alternative connections	See product drawing
Type of mounting	With accessories
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material seals	NBR TPE-U(PU)