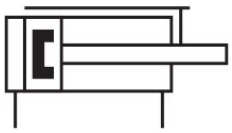
Mini slide
DGSL-8-50-Y3A

Part number: 543940





Data sheet

Feature	Value
Stroke	50 mm
Adjustable end position range/length front	31 mm
Adjustable end position range/length rear	14 mm
Piston diameter	10 mm
Operating mode, drive unit	Yoke
Cushioning	Progressive shock absorber at both ends
Mounting position	optional
Guide	Ball bearing cage guide
Design	Yoke Piston Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar
Max. speed	0.8 m/s
Repetition accuracy	±0.01 mm
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
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
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 7 according to ISO 14644-1
Ambient temperature	0 °C...60 °C
Impact energy in end positions	0.5 Nm
Cushioning length	6 mm
Max. force Fy	962 N
Max. force Fz	962 N
Max. moment Mx	10 Nm
Max. moment My	8 Nm
Max. moment Mz	8 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	40 N

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	47 N
Moving mass	152 g
Product weight	380 g
alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel