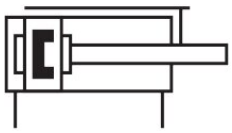
Mini slide
DGSS-6-20-E1A

Part number: 8164053





Data sheet

Feature	Value
Stroke	20 mm
Size	6
Piston diameter	6 mm
Cushioning	Elastomer cushioning, double-sided, stroke not adjustable
Mounting position	Any
Guide	Recirculating ball bearing guide
Design	Yoke Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.15 MPa...0.8 MPa 1.5 bar...8 bar 21.75 psi...116 psi
Max. speed	0.5 m/s
Repetition accuracy	<= 0.3 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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-C1-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Cleanroom suitability, measured according to ISO 14644-14	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C...60 °C
Impact energy in end positions	0.01 J
Cushioning length	0.9 mm
Max. force Fy	296 N
Max. force Fz	296 N
Max. moment Mx	0.8 Nm
Max. moment My	0.7 Nm
Max. moment Mz	0.7 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	13 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	17 N

Feature	Value
Moving mass	32 g
Product weight	80 g
Type of mounting	With through-hole With female thread
Pneumatic connection	M3
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material seals	NBR PU
Material guide	NBR PA High-alloy steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel