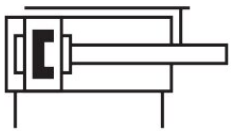
Mini slide
DGSS-10-20-E1A

Part number: 8164062





Data sheet

Feature	Value
Stroke	20 mm
Size	10
Piston diameter	10 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	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 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	0.018 J
Cushioning length	1.5 mm
Max. force Fy	826 N
Max. force Fz	826 N
Max. moment Mx	3 Nm
Max. moment My	2.6 Nm
Max. moment Mz	2.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	39 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	47 N

Feature	Value
Moving mass	63 g
Product weight	144 g
Type of mounting	With through-hole With female thread
Pneumatic connection	M5
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