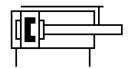
Mini slide DGSS-16-50-E1A Part number: 8164075







Data sheet

General operating condition

Stroke Size Piston diameter	50 mm 16 16 mm Elastomer cushioning, at both ends, stroke not adjustable
	16 mm Elastomer cushioning, at both ends, stroke not adjustable
Piston diameter	Elastomer cushioning, at both ends, stroke not adjustable
Cushioning	
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Yoke Piston rod Slide
Position sensing	For proximity sensor
Symbol	00991737
Operating pressure	0.1 MPa 0.8 MPa
Operating pressure	1 bar 8 bar
Operating pressure	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 as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-C1-L
Suitability for the production of Li-ion batteries	Metals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C 60 °C
Impact energy in the end positions	0.03 J
Cushioning length	0.65 mm
Max. force Fy	682 N
Max. force Fz	682 N
Max. torque Mx	3.2 Nm
Max. torque My	1.9 Nm
Max. torque Mz	1.9 Nm
Theoretical force at 6 bar, retracting	104 N
Theoretical force at 6 bar, advancing	121 N
Moving mass	137 g

Feature	Value
Product weight	306 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR PU
Guide material	NBR PA High-alloy steel
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel