

Mini slide DGSS-6-5-E1A

Part number: 8164050

FESTO



Data sheet

Feature	Value
Stroke	5 mm
Size	6
Piston diameter	6 mm
Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Mounting position	Any
Guide	Recirculating ball bearing
Structural design	Yoke Piston rod Slide
Position sensing	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 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	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 the end positions	0.01 J
Cushioning length	0.9 mm
Max. force Fy	296 N
Max. force Fz	296 N
Max. torque Mx	0.8 Nm
Max. torque My	0.7 Nm
Max. torque Mz	0.7 Nm
Theoretical force at 6 bar, retracting	13 N
Theoretical force at 6 bar, advancing	17 N

Feature	Value
Moving mass	27 g
Product weight	64 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	M3
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