

# Mini slide DGSS-6-20-E1A

Part number: 8164053

**FESTO**



## Data sheet

Feature	Value
Stroke	20 mm
Size	6
Piston diameter	6 mm
Cushioning	Elastomer cushioning, double-sided, stroke not adjustable
Mounting position	optional
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	Product corresponds to the internal product definition from Festo for use in battery production: Metals with more than 1% by mass of copper, zinc or nickel are excluded from use. The 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 end positions	0.01 J
Cushioning length	0.9 mm
Max. force F <sub>y</sub>	296 N
Max. force F <sub>z</sub>	296 N
Max. moment M <sub>x</sub>	0.8 Nm
Max. moment M <sub>y</sub>	0.7 Nm

Feature	Value
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
Moving mass	32 g
Product weight	80 g
Type of mounting	With through-hole Via 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