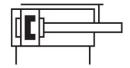
Mini slide DGSS-16-20-E1A Part number: 8164071

FESTO





Data sheet

Stroke Size Piston diameter Cushioning Mounting position Guide Design Position detection Operating pressure	Value
Piston diameter Cushioning Mounting position Guide Design Position detection	20 mm
Cushioning Mounting position Guide Design Position detection	16
Mounting position Guide Design Position detection	16 mm
Guide Design Position detection	Elastomer cushioning, double-sided, stroke not adjustable
Design Position detection	optional
Position detection	Recirculating ball bearing guide
	Yoke Piston rod Slide
Operating pressure	Via proximity switch
	0.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 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	
Impact energy in end positions	-10 °C60 °C
Cushioning length	-10 °C60 °C
Max. force Fy	
Max. force Fz	0.03 J
Max. moment Mx	0.03 J 0.65 mm
Max. moment My	0.03 J 0.65 mm 925 N

Feature	Value
Max. moment Mz	2.6 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	104 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	121 N
Moving mass	103 g
Product weight	227 g
Type of mounting	With through-hole Via 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