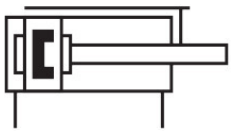
Mini slide
DGSS-10-5-E1A

Part number: 8164059



Data sheet

Feature	Value
Stroke	5 mm
Size	10
Piston diameter	10 mm
Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Yoke Piston rod Slide
Position sensing	For proximity sensor
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 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	Product corresponds to Festo's internal product definition 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, 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	0.018 J
Cushioning length	1.5 mm
Max. force Fy	826 N
Max. force Fz	826 N
Max. torque Mx	3 Nm
Max. torque My	2.6 Nm
Max. torque Mz	2.6 Nm

Feature	Value
Theoretical force at 6 bar, retracting	39 N
Theoretical force at 6 bar, advancing	47 N
Moving mass	52 g
Product weight	117 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