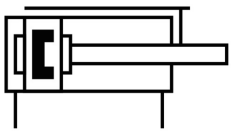
Mini slide
DGSS-20-30-E1A

Part number: 8164082



General operating condition

Data sheet

Feature	Value
Stroke	30 mm
Size	20
Piston diameter	20 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
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	0.05 J
Cushioning length	1 mm
Max. force Fy	1363 N
Max. force Fz	1363 N
Max. torque Mx	8.9 Nm
Max. torque My	4.4 Nm
Max. torque Mz	4.4 Nm
Theoretical force at 6 bar, retracting	158 N
Theoretical force at 6 bar, advancing	188 N
Moving mass	199 g

Feature	Value
Product weight	477 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