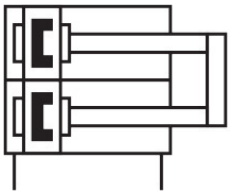
Mini slide
DGST-12-100-E1A

Part number: 8078852





General operating condition

Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	12 mm
Drive unit operating mode	Yoke
Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Mounting position	Any
Guide	Recirculating ball bearing guide
Structural design	Twin piston Yoke Piston rod Slide
Position sensing	For proximity sensor
Symbol	00991249
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-B1/B2-L
Cleanroom class	Class 6 according to ISO 14644-1
Ambient temperature	-10 °C ... 60 °C
Impact energy in the end positions	0.07 J
Cushioning length	1.1 mm
Max. force Fy	620 N
Max. force Fz	620 N
Max. torque Mx	10 Nm
Max. torque My	6.8 Nm
Max. torque Mz	6.8 Nm
Theoretical force at 6 bar, retracting	102 N
Theoretical force at 6 bar, advancing	136 N
Moving mass	465 g
Product weight	988 g

Feature	Value
Type of mounting	With through-hole
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	HNBR
Guide material	POM TPE-E High-alloy steel
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel