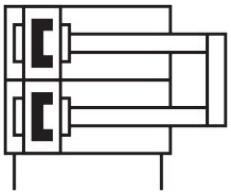
Mini slide
DGST-12-50-E1A

Part number: 8078850





Data sheet

Feature	Value
Stroke	50 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
Structural design	Double piston Yoke Piston rod Slide
Position sensing	Via proximity switch
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-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	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	580 N
Max. force Fz	580 N
Max. torque Mx	7 Nm
Max. torque My	5.8 Nm
Max. torque Mz	5.8 Nm
Theoretical force at 6 bar, retracting	102 N
Theoretical force at 6 bar, advancing	136 N

Feature	Value
Moving mass	290 g
Product weight	611 g
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