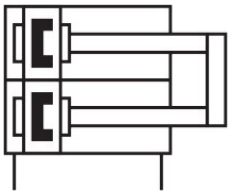
Mini slide
DGST-20-100-E1A

Part number: 8078868





Data sheet

Feature	Value
Stroke	100 mm
Piston diameter	20 mm
Drive unit operating mode	Yoke
Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Mounting position	Any
Guide	Ball bearing cage guide
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	0.2 J
Cushioning length	1 mm
Max. force Fy	1160 N
Max. force Fz	1160 N
Max. torque Mx	18 Nm
Max. torque My	11 Nm
Max. torque Mz	11 Nm
Theoretical force at 6 bar, retracting	317 N
Theoretical force at 6 bar, advancing	377 N

Feature	Value
Moving mass	890 g
Product weight	1962 g
Type of mounting	With through-hole
Pneumatic connection	G1/8
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