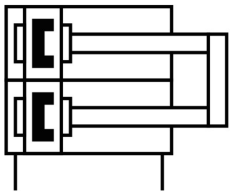
Mini slide
DGST-20-80-E1A

Part number: 8078867



General operating condition

Data sheet

Feature	Value
Stroke	80 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	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
Ambient temperature	-10 °C ... 60 °C
Impact energy in the end positions	0.2 J
Cushioning length	1 mm
Max. force Fy	1030 N
Max. force Fz	1030 N
Max. torque Mx	14 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
Moving mass	759 g
Product weight	1618 g
Type of mounting	With through-hole

Feature	Value
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