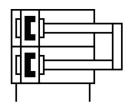
Mini slide DGST-10-20-E1A

Part number: 8078840







General operating condition

Data sheet

Any Voke unit operating mode Voke Usihioning Elastomer cushioning, at both ends, stroke not adjustable Any Any Adouting position Any Any Any Any Any Any Any Any Any An	Feature	Value
Trive unit operating mode Toke Tushioning Elastomer cushioning, at both ends, stroke not adjustable Any Any Beditide Recirculating ball bearing guide Tivin piston Yoke Piston rod Slide Poperating pressure On 1 MPa 0.8 MPa Operating pressure On 5 m/s Experition accuracy Onder of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating needium Operating on operating and pilot media Operating on resistance class (CRC) Als (SWC) Conformity Winbiol Tushioning length Ans. Force Fy Ans. Force Fy Ans. Force Fy Ans. Lorque Mx Ans. Order at 6 bar, retracting Poperating foress Product weight Poly Poly Poly Poly Poly Poly Poly Poly	Stroke	20 mm
Elastomer cushioning, at both ends, stroke not adjustable Anunting position Any Recirculating ball bearing guide Recirculating pressure Recipcion of Sample Sam	Piston diameter	10 mm
Any Recirculating ball bearing guide Recirculating ball bearing guide Noticulated Recirculating ball bearing guide Noticulating ball ball ball ball ball ball ball bal	Drive unit operating mode	Yoke
Recirculating ball bearing guide Twin piston Yoke Piston rod Slide Por proximity sensor Position sensing Position sensition Position sensition Position sensition Position sensition Position sensition Position sensition Position sensition on operating and pilot media Position of position stress Position sensition sen	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Twin piston Yoke Piston rod Slide For proximity sensor Operating pressure Operating medium Operating brown operating	Mounting position	Any
Voke Piston rod Slide Position sensing For proximity sensor Poymbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1.4.5 psi 116 psi Anax. speed 0.5 m/s Poperating medium 0.5 m/s Operating medium 0.5 m/s Operating medium 0.5 m/s Operating medium 0.5 m/s Operation on operating and pilot media 0.5 m/s ABS (PWIS) conformity VDMA24364-B1/B2-L Winblient temperature 1.0 °C 60 °C Implication resistance class (CRC) 1.6 mm Anax. force Fy 480 N Anax. force Fy 480 N Anax. force Fz 480 N Anax. torque Mx Anax. torque Mx Anax. torque My Anax. torque Mz Anax. force Ex 46 bar, retracting 79 N Pheoretical force at 6 bar, retracting 94 N Aloving mass 134 g Product weight 95 mills 18 mm Anax. torque Mg Anax.	Guide	Recirculating ball bearing guide
Asserting pressure Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Aax. speed Operating medium Operating medium Operating medium Operating medium Operating medium Operating medium Operating with oil lubrication possible (required for further use) Operating resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -10 °C 60 °C Impact energy in the end positions Operating length 1.6 mm Aax. force Fy 480 N Aax. force Fy 480 N Aax. torque Mx Aax. torque Mx Aax. torque My Aax. torque My Aax. torque My Aax. torque Mz	Structural design	Yoke Piston rod
Departing pressure 0.1 MPa 0.8 MPa Departing pressure 1 bar 8 bar 14.5 psi 116 psi Departing pressure 15.5 m/s Departing pressure 16.5 m/s Departing pressure 17.5 m/s Departing pressure 18.5 psi 116 psi Departing pressure 19.5 m/s Departing pressure 19.5 m/s Departing pressure 10.5 m/s Departing pressure 10.6 mpassed air as per ISO 8573-1:2010 [7:4:4] Departing pressure Departing press	Position sensing	For proximity sensor
Departing pressure 1 bar 8 bar 14.5 psi 116 psi 14.5 psi 116 psi 14.5 psi 116 psi 15.5 m/s 16.5 m/s 16.5 m/s 16.5 m/s 17.5 m/s 18.5 m/s 18.5 m/s 18.6 m/s 18	Symbol	00991249
Average of the pressure of the	Operating pressure	0.1 MPa 0.8 MPa
Aax. speed 0.5 m/s Repetition accuracy <= 0.3 mm Double-acting Departing 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) Forosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.05 J Sushioning length 1.6 mm Aax. force Fy 480 N Aax. force Fy 480 N Aax. torque Mx 3 Nm Aax. torque Mx 3 Nm Aax. torque My 3 Nm Aax. torque My 3 Nm Aax. torque Mz 3 Nm Aax. torque Mz 3 Nm Abeoretical force at 6 bar, retracting 79 N Aboving mass 134 g Aroduct weight 254 g	Operating pressure	1 bar 8 bar
tepetition accuracy Anote of operation Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Departing medium Operating medium Operation on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -10 °C 60 °C Indicate energy in the end positions O.05 J Sushioning length 1.6 mm Anax. force Fy 480 N Anax. force Fz 480 N Anax. torque Mx 3 Nm Anax. torque My 3 Nm Anax. torque My 3 Nm Anax. torque Mz Anax. torque Mz Anax. torque Mz Anax. torque Mz 3 Nm Anax. torque Mz 480 N Anax. torque Mz 3 Nm Anax. torque Mz 3 Nm Anax. torque Mz 3 Nm Anax. torque Mz 480 N Anax. torque Mz 3 Nm Anax. torque Mz 480 N Anax. torque Mz 3 Nm Anax. torque Mz 480 N Anax. torque Mz 48	Operating pressure	14.5 psi 116 psi
Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -10 °C 60 °C	Max. speed	0.5 m/s
Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Corrosion resistance class (CRC) ABS (PWIS) conformity VDMA24364-B1/B2-L Inhibitent temperature -10 °C 60 °C Injury the end positions Cushioning length Aax. force Fy ABX. force Fz ABX. torque Mx Aax. torque Mx Aax. torque My Aax. torque Mz Aax. to	Repetition accuracy	<= 0.3 mm
Operation with oil lubrication possible (required for further use) Formosion resistance class (CRC) ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -10 °C 60 °C Inpact energy in the end positions O.05 J Aux, force Fy ABO N Aux, force Fz 480 N Aux, torque Mx 3 Nm Aux, torque My 3 Nm Aux, torque My Aux, torque Mz Aux,	Mode of operation	Double-acting
Torrosion resistance class (CRC) ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -10 °C 60 °C Magact energy in the end positions Cushioning length Aax. force Fy ABS (PWIS) and the end positions Aax. force Fy ABS (PWIS) and the end positions 0.05 J Cushioning length 1.6 mm ABS (PWIS) and the end positions ABS (PWIS) and the end positions 1.6 mm ABS (PWIS) and the end positions ABS (PWIS) and the end positions 1.6 mm ABS (PWIS) and the end positions ABS (PWIS) and the end positions ABS (PWIS) and the end positions tress ABS	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity Ambient temperature -10 °C 60 °C mpact energy in the end positions 0.05 J cushioning length 1.6 mm Aax. force Fy 480 N Aax. torque Mx 3 Nm Aax. torque My 3 Nm Aax. torque My 480 N Aax. torque My 3 Nm Aax. torque My 480 N Aax. torque My 3 Nm Aax. torque My 3 Nm Abover torque Mz 480 N 480	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Ambient temperature -10 °C 60 °C mpact energy in the end positions 0.05 J Cushioning length 1.6 mm Max. force Fy 480 N Max. force Fz 480 N Max. torque Mx 3 Nm Max. torque My 3 Nm Max. torque Mz 480 N Max. torque My 3 Nm Max. torque My 480 N 180 N Max. torque My 180 N Max. torque My 180 N Max. torque My 180 N Max. torque Mz 180 N Max.	Corrosion resistance class (CRC)	1 - Low corrosion stress
mpact energy in the end positions O.05 J Sushioning length Ax. force Fy 480 N Ax. force Fz 480 N Ax. torque Mx 3 Nm Ax. torque My 3 Nm Ax. torque Mz Heoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Avoving mass Froduct weight O.05 J 1.6 mm 480 N 480 N 3 Nm 3 Nm 480 N 480	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cushioning length Aax. force Fy 480 N Aax. force Fz 480 N Aax. torque Mx 3 Nm Aax. torque My 3 Nm Aax. torque Mz 480 N 3 Nm Aax. torque My 3 Nm Aax. torque Mz 480 N 3 Nm 480 N	Ambient temperature	-10 °C 60 °C
Max. force Fy 480 N Max. force Fz 480 N Max. torque Mx 3 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Max. torque Mz 480 N 3 Nm Max. torque My 3 Nm Max. torque My 480 N	Impact energy in the end positions	0.05 J
Max. force Fz Max. torque Mx 3 Nm Max. torque My 3 Nm Max. torque Mz 3 Nm Max. torque Mz 3 Nm Heoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing Moving mass 134 g Product weight 254 g	Cushioning length	1.6 mm
Max. torque Mx Max. torque My Max. torque My Max. torque Mz Max. torque My Max. torque Mz Max. torque Mz	Max. force Fy	480 N
Aax. torque My Aax. torque Mz 3 Nm Aeoretical force at 6 bar, retracting 79 N Heoretical force at 6 bar, advancing Aoving mass 134 g Product weight 254 g	Max. force Fz	480 N
Max. torque Mz As torque Mz	Max. torque Mx	3 Nm
Theoretical force at 6 bar, retracting 79 N Theoretical force at 6 bar, advancing 94 N Theoretical force at 6 bar, advancing 134 g Theoretical force at 6 bar, advancing 254 g	Max. torque My	3 Nm
Product weight 94 N 94 N 94 N 134 g 254 g	Max. torque Mz	3 Nm
Noving mass 134 g Product weight 254 g	Theoretical force at 6 bar, retracting	79 N
Product weight 254 g	Theoretical force at 6 bar, advancing	94 N
	Moving mass	134 g
ype of mounting With through-hole	Product weight	254 g
	Type of mounting	With through-hole

Feature	Value
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