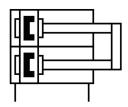
Mini slide **DGST-25-30-E1A**Part number: 8078874







General operating condition

Data sheet

Piston diameter 25 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 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1.4.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy -0.3 mm Mode of operation Operating medium Compressed air as per 150 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 Cushoning length 1.2 mm Max. force Fy 1280 N Max. force Fy 1280 N Max. torque Mx 14 Nm Max. torque Mx 16 How The substitution of th	Feature	Value
Drive unit operating mode Cushioning Elastomer cushioning, at both ends, stroke not adjustable Any Guide Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. speed 4 - 0.3 mm Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating one resistance class (CRO) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.3 J Cushioning length 1.2 mm Max. force Fz 1280 N Max. force Fz 1280 N Max. torque MX Max. torque MA Max. t	Stroke	30 mm
Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any 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 1.5 m 8 bar Operating pressure 1.5 m 116 psi Max. speed 0.5 m/s Repetition accuracy 4 -0.3 mm Mode of operation Double-acting 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 Clearroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. torque Mx 14 Nm Max. torque Mx Max. torque Mx Max. torque Mx Max. torque My Max. torque Mz Theoretical force at 6 bar, advancing 589 N Moving mass 762 g Moving mass	Piston diameter	25 mm
Mounting position Guide Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy 4 = 0.3 mm Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating vests (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-81/82-1 Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10 °C 60 °C Impact energy in the end positions Osal Max. force F2 1280 N Max. torque Mx Max. torque Mx Max. torque My Max. torque My Max. torque Mz Max. torque Mz Max. torque Mz Moving mass Max. dorque Mg Moving mass Moving mass Moving mass Moving mass Max. force 62 g Moving mass Max. force 45 bar, advancing Moving mass Moving mass Max. force 62 g Moving mass Moving mass Moving mass Moving mass Max. force 62 g Moving mass Moving mass Moving mass Moving mass Max. force 62 g Moving mass Moving mass Moving mass Moving mass Max. force 62 g Moving mass Moving mass Moving mass Moving mass Moving mass Max. force 62 g Moving mass M	Drive unit operating mode	Yoke
Guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure Operati	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural design Twin piston Yoke Piston rod Slide For proximity sensor Symbol Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 4.5 psi 116 psi Max. speed Operating Departing Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media 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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. torque Mx Max. torque Mx Max. torque Mx Max. torque My Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 589 N Moving mass 762 g	Mounting position	Any
Position sensing Position sensing For proximity sensor Symbol Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy Max. speed Operating Departing Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation resistance class (CRC) 1 · Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Cleanroom class Class 6 according to ISO 14644-1 Anhient temperature 1:0 °C 60 °C Impact energy in the end positions Outling length 1:2 mm Max. force Fy 1280 N Max. force Fy 1280 N Max. torque My Theoretical force at 6 bar, advancing Moving mass Moving mass Voly Mover Max. Move	Guide	Ball bearing cage guide
Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 1 to 5 m/s Repetition accuracy Another on operating and pilot media Operating mesistance class (CRC) Class 6 according to ISO 14644-1 Ambient temperature Impact energy in the end positions Oush force Fy Max. force Fy Max. torque Mx Mover Max. do not make and make and make and make and mover make and mover message and mover	Structural design	Yoke Piston rod
Operating pressure Operating pressure Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed Operating pressure Operating pressure 14.5 psi 116 psi Max. speed Operating pressure Operating medium Operating medium Operating medium Operating medium Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Operation 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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque Mx 14 Nm Max. torque Mz 14 Nm Max. torque Mz 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass	Position sensing	For proximity sensor
Operating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm Mode of operating Max. speed 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 Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Symbol	00991249
Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 = 0.3 mm 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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing Moving mass 762 g	Operating pressure	0.1 MPa 0.8 MPa
Max. speed 0.5 m/s Repetition accuracy c= 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 0.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Operating pressure	1 bar 8 bar
Repetition accuracy Generating Mode of operation Double-acting 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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque Mx 14 Nm Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing Moving mass 762 g	Operating pressure	14.5 psi 116 psi
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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque Mx 14 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing Moving mass 762 g Moving mass	Max. speed	0.5 m/s
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) 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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx Max. torque My Max. torque My 14 Nm Max. torque My Max. torque My Max. torque Mz 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing Moving mass 762 g	Repetition accuracy	<= 0.3 mm
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 589 N Moving mass 762 g	Mode of operation	Double-acting
Corrosion resistance class (CRC) 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 O.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Max. torque Mz 14 Nm Max. torque Mz 1589 N Theoretical force at 6 bar, retracting 589 N Moving mass 762 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque My 14 Nm Max. torque Mz Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 762 g	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.3 J Cushioning length 1.2 mm Max. force Fy 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque My 14 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass Class 6 according to ISO 14644-1 -10 °C 60 °C -10 °C 60 °C -10 °C 60 °C -12 mm -12 mm -12 mm -12 mm -12 N N -12 N N -12 N N -12 N N -14 N M -14 N M -15 N N -15 N N -16 O °C -17 N N -18 N	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature Impact energy in the end positions O.3 J Cushioning length I.2 mm Max. force Fy I280 N Max. force Fz I280 N Max. torque Mx I4 Nm Max. torque My I4 Nm Max. torque Mz I4 Nm Theoretical force at 6 bar, retracting Moving mass Incompact and so contains a serious	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cushioning length 1.2 mm Max. force Fy 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting Moving mass 160 J 170 m 180 N 180 N	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length 1.2 mm Max. force Fy 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing Moving mass 762 g	Impact energy in the end positions	0.3 J
Max. force Fz 1280 N Max. torque Mx 14 Nm Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Cushioning length	1.2 mm
Max. torque Mx Max. torque My 14 Nm Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Max. force Fy	1280 N
Max. torque My Max. torque Mz 14 Nm Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Max. force Fz	1280 N
Max. torque Mz Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Max. torque Mx	14 Nm
Theoretical force at 6 bar, retracting 495 N Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Max. torque My	14 Nm
Theoretical force at 6 bar, advancing 589 N Moving mass 762 g	Max. torque Mz	14 Nm
Moving mass 762 g	Theoretical force at 6 bar, retracting	495 N
	Theoretical force at 6 bar, advancing	589 N
Product weight 1547 g	Moving mass	762 g
	Product weight	1547 g

Feature	Value
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