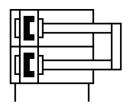
Mini slide DGST-8-30-E1A

Part number: 8078835







General operating condition

Data sheet

Piston diameter 8 mm Drive unit operating mode Yoke Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Guide Recirculating ball bearing guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure Operating pressure Operating pressure 1,5 bar 8 bar Operating pressure 0,5 m/s Repetition accuracy	Feature	Value
Drive unit operating mode Cushioning Elastomer cushioning, at both ends, stroke not adjustable Any Mounting position Any Structural design Structural design Position sensing Position sensing Poperating pressure Operating operating Operating operating Operating operating Operating operating Operating pressure 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 (CRO) 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 Oo3 J Cushioning length 1.5 mm Max. force F2 300 N Max. force F2 300 N Max. torque MX Ax. torque MA	Stroke	30 mm
Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Recirculating ball bearing guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol 00991249 Operating pressure 0.15 MPa 0.8 MPa Operating pressure 1.5 bar 0.8 MPa Operating pressure 21.75 psi 116 psi Max. speed 0.5 m/s Repetition accuracy 4 e- 0.3 mm Mode of operation 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 0.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx Max. torque Mx Max. torque My Max. torque My Max. torque Mx Max. torque My Max. torque Mx Max. torque My Max. torque Max. do not adjustable with a single properties of the maximum of the pick of the maximum of the model on the model th	Piston diameter	8 mm
Mounting position Guide Recirculating ball bearing guide Structural design Voke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure O.15 MPa 0.8 MPa Operating pressure Operating pressure O.5 m/s Repetition accuracy (= 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 resistance class (CRC) 1 - Low corrosion stress UAAS (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 Oo3 J Cushioning length 1.5 mm Max. force F2 300 N Max. torque MX Max. torque MX Max. torque MX Max. torque MM Max. torque MX Max. torque M2 Max. torque M4 Max. torque M5 Max. torque M6 Max. torque M6 Max. torque M6 Max. torque M7 Max. torque M7 Max. torque M8 Max. torque M8 Max. torque M8 Max. torque M8 Max. torque M7 Max. torque M8 Max. torque M8 Max. torque M8 Max. torque M8 Max. torque M6 Max. torque M7 Max. torque M8 Max. torque M9 Max. torque M8 Max. torque M9 Max.	Drive unit operating mode	Yoke
Recirculating ball bearing guide Structural design Twin piston Yoke Piston rod Slide Position sensing For proximity sensor Symbol Operating pressure Operating pressure Operating pressure Operating pressure 1.5 bar 8 bar Operating pressure Operating p	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural design Twin piston Yoke Piston rod Slide For proximity sensor Operating pressure Operating pressure Operating pressure 1.5 bar 8 bar Operating pressure 1.5 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating medium 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 VDMA24364-81/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 1-10 °C 60 °C Impact energy in the end positions O.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. torque My Ax. torque Mx Max. torque Mx Max. torque Mx Max. torque Mz Theoretical force at 6 bar, advancing Moving mass 92 g Moving mass	Mounting position	Any
Position sensing Position sensing For proximity sensor Symbol Operating pressure Operating pressure 1.5 bar 8 bar Operating pressure 21.75 psi 116 psi Max. speed Operating operation Operating pressure Operating pressure 0.5 m/s Repetition accuracy 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 1-10 °C 60 °C Impact energy in the end positions O.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fy 300 N Max. force Fy 300 N Max. torque My Max. torque Mz Theoretical force at 6 bar, advancing Moving mass Moving mass	Guide	Recirculating ball bearing guide
Operating pressure Operating pressure Operating pressure Operating pressure 1.5 bar 8 bar Operating pressure 21.75 psi 116 psi Max. speed Operating Description Operating Description accuracy Mode of operation Operating medium Operating medium Operating medium Operating medium Operating medium Operating with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 - Low corrosion stress UABS (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.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx Ax. torque Mx Max. torque My Ax. torque Mz Theoretical force at 6 bar, advancing Moving mass 92 g	Structural design	Yoke Piston rod
Operating pressure Operating pressure Operating pressure 1.5 bar 8 bar Operating pressure 21.75 psi 116 psi Max. speed Operating pressure Operating pressure 21.75 psi 116 psi Max. speed Operating pressure Operating pressure Operating medium Operating medium Operating medium Operating medium 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 1-10 °C 60 °C Impact energy in the end positions Ou3 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque Mx 2.8 Nm Max. torque Mz 45 N Theoretical force at 6 bar, retracting Moving mass Moving mass	Position sensing	For proximity sensor
Operating pressure 1.5 bar 8 bar Operating pressure 21.75 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 resistance class (CRC) 1 - Low corrosion stress Class G according to ISO 14644-1 Ambient temperature 1.0 °C 60 °C Impact energy in the end positions Cushioning length Max. force Fy 300 N Max. torque Mx Amax. torque Mx Max. torque Mx Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Moving mass 1.5 mm 1.5 mm 1.5 mm 4.5 Nm Max. torque Mz 2.8 Nm Max. torque Mz 4.9 Nm Max. torque Mz Moving mass 92 g Moving mass	Symbol	00991249
Departing pressure 21.75 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 Cushioning length 1.5 mm Max. force Fy 300 N Max. torque Mx 2.8 Nm Max. torque Mx 2.8 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	Operating pressure	0.15 MPa 0.8 MPa
Max. speed 0.5 m/s Repetition accuracy <= 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 0.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque My 2 Nm Max. torque Mz Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing 60 N Moving mass 92 g	Operating pressure	1.5 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.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 4.2 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	Operating pressure	21.75 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.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	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.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Moving mass Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress 2 - Low corrosion stres	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 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting Moving mass Moving mass Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress 1 - Low corrosion stress 0 - Call on C	Mode of operation	Double-acting
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 0.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque My 45 N Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 92 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 0.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque My 45 N Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 92 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 Cushioning length 1.5 mm Max. force Fy 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque My Theoretical force at 6 bar, retracting Moving mass Class 6 according to ISO 14644-1 -10 °C 60 °C -10 °C 6	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature Impact energy in the end positions O.03 J Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Theoretical force at 6 bar, retracting Moving mass -10 °C 60 °C 0.03 J 0.03 J 0.04 J 0.07 J 0.08 J 0.09 J 0.09 J 0.00 N	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions Cushioning length 1.5 mm Max. force Fy 300 N Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque Mz 2 Nm Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length Max. force Fy 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque Mz Theoretical force at 6 bar, retracting Moving mass 1.5 mm 1.5 mm 1.5 mm 1.5 mm 1.6 mm 1.7 mm 1.8 mm 1.8 mm 1.8 mm 1.9 mm 1.	Ambient temperature	-10 °C 60 °C
Max. force Fy Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque Mz 2 Nm Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	Impact energy in the end positions	0.03 J
Max. force Fz 300 N Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque Mz 2 Nm Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	Cushioning length	1.5 mm
Max. torque Mx 2.8 Nm Max. torque My 2 Nm Max. torque Mz 2 Nm Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing Moving mass 92 g	Max. force Fy	300 N
Max. torque My 2 Nm Max. torque Mz 2 Nm Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing 60 N Moving mass 92 g	Max. force Fz	300 N
Max. torque Mz 2 Nm Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing 60 N Moving mass 92 g	Max. torque Mx	2.8 Nm
Theoretical force at 6 bar, retracting 45 N Theoretical force at 6 bar, advancing 60 N Moving mass 92 g	Max. torque My	2 Nm
Theoretical force at 6 bar, advancing 60 N Moving mass 92 g	Max. torque Mz	2 Nm
Moving mass 92 g	Theoretical force at 6 bar, retracting	45 N
	Theoretical force at 6 bar, advancing	60 N
Product weight 176 g	Moving mass	92 g
	Product weight	176 g

Feature	Value
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