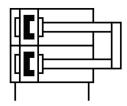
Mini slide DGST-16-150-E1A Part number: 8078861



General operating condition

Data sheet

GuideRecirculating ball bearing guideStructural designTwin piston Yoke Piston rod SlidePosition sensingFor proximity sensorSymbol00991249Operating pressure0.1 MPa 0.8 MPaOperating pressure1 bar 8 barOperating pressure0.5 m/sRepetition accuracy<= 0.3 mmMode of operationDouble-acting Operating mediumCompressed air as per ISO 8573-1:2010[7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLASS (PWIS) conformityVDM24364-B1/B2-LClearon classClass 6 according to ISO 14644-1Ambient temperature10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax, force Fz960 NMax, torque Mx14 NmMax, torque Mx16 NmMax, torque Mx16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 N	Feature	Value
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 Position sensing For proximity sensor Symbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1.bar 8 bar Operating pressure 0.5 m/s Repetition accuracy <= 0.3 mm	Stroke	150 mm
CushioningElastomer cushioning, at both ends, stroke not adjustableMounting positionAnyGuideRecirculating ball bearing guideStructural designTwin piston Yoke Piston rod SildePosition sensingFor proximity sensorOperating pressure0.1 MPa 0.8 MPaOperating pressure1.5 m. 8 barOperating pressure0.5 m/sRepetition accuracy<=0.3 m	Piston diameter	16 mm
Mounting positionAnyGuideRecirculating ball bearing guideStructural designTwin piston Yoke Piston rod SlidePosition sensingFor proximity sensorSymbol00991249Operating pressure0.1 MPa 0.8 MPaOperating pressure1 bar 8 barOperating pressure1 bar 8 barOperating pressure0.5 m/sRepetition accuracy<-0.3 mm	Drive unit operating mode	Yoke
Guide Recirculating ball bearing 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 0.5 m/s Repetition accuracy <e 0.3="" mm<="" td=""> Mode of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010[7:4:4] 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 Clearnorn class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C Impact energy in the end positions 0.15 J Cushing length 0.8 mm Max, force Fz 960 N Max, torque Mx 14 Nm Max, torque Mz 16 Nm<td>Cushioning</td><td>Elastomer cushioning, at both ends, stroke not adjustable</td></e>	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural designTwin piston Yoke Piston rod SlidePosition sensingFor proximity sensorSymbol00991249Operating pressure0.1 MPa 0.8 MPa Operating pressureOperating pressure1 bar 8 barOperating pressure0.5 m/sRepetition accuracy<= 0.3 mm	Mounting position	Any
Yoke Piston rod SlidePosition sensingFor proximity sensorSymbol00991249Operating pressure0.1 MPa 0.8 MPaOperating pressure1 bar 8 barOperating pressure14.5 psi 116 psiMax. speed0.5 m/sRepetition accuracy <e.0.3 mm<="" td="">Mode of operationDouble-actingOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature.10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fz960 NMax. forque Mx14 NmMax. torque Mx16 NmMax. torque Mz16 NmMax. torque Mz660 g</e.0.3>	Guide	Recirculating ball bearing guide
Symbol00991249Operating pressure0.1 MPa 0.8 MPaOperating pressure1 bar 8 barOperating pressure14.5 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Structural design	Yoke Piston rod
Operating pressure0.1 MPa 0.8 MPaOperating pressure1 bar 8 barOperating pressure14.5 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Position sensing	For proximity sensor
Operating pressure1 bar 8 barOperating pressure14.5 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Symbol	00991249
No. of the second sec	Operating pressure	0.1 MPa 0.8 MPa
Max. speed0.5 m/sRepetition accuracy<= 0.3 mm	Operating pressure	1 bar 8 bar
Repetition accuracy(= 0.3 mmMode of operationDouble-actingOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. torque Mx14 NmMax. torque Mx16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing660 g	Operating pressure	14.5 psi 116 psi
Node of operationDouble-actingOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Max. speed	0.5 m/s
Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. torque Mx14 NmMax. torque My16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Repetition accuracy	<= 0.3 mm
Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. torque Mx14 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Mode of operation	Double-acting
Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformityVDMA24364-B1/B2-LCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz207 NTheoretical force at 6 bar, retracting241 NMoving mass660 g	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Cleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature-10 °C 60 °CImpact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions0.15 JCushioning length0.8 mmMax. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length0.8 mmMax. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Ambient temperature	-10 °C 60 °C
Max. force Fy960 NMax. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Impact energy in the end positions	0.15 J
Max. force Fz960 NMax. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Cushioning length	0.8 mm
Max. torque Mx14 NmMax. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Max. force Fy	960 N
Max. torque My16 NmMax. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Max. force Fz	960 N
Max. torque Mz16 NmTheoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Max. torque Mx	14 Nm
Theoretical force at 6 bar, retracting207 NTheoretical force at 6 bar, advancing241 NMoving mass660 g	Max. torque My	16 Nm
Theoretical force at 6 bar, advancing 241 N Moving mass 660 g	Max. torque Mz	16 Nm
Moving mass 660 g	Theoretical force at 6 bar, retracting	207 N
	Theoretical force at 6 bar, advancing	241 N
Product weight 1402 g	Moving mass	660 g
	Product weight	1402 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