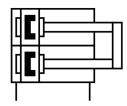
Mini slide DGST-8-40-E1A Part number: 8078836



General operating condition

Data sheet

Piston diameterR mmDrive unit operating modeYokeCushioningElastomer cushioning, at both ends, stroke not adjustableMounting positionAnyGuideRecirculating ball bearing guideStructural designTwin piston YokePosition sensingFor proximity sensorPosition sensingFor proximity sensorSymbol00991249Operating pressure0.15 MPa 0.8 MPaOperating pressure0.5 m/sOperating pressure0.5 m/sRepetition accuracy<= 0.3 mmMax. speed0.5 m/sRepetition accuracy<= 0.3 mmMode of operating and pilot mediaOperating pressureOperating mesture1.16 psiMax. speed0.5 m/sRepetition 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) conformityVDM24346-41/AA-11Cushioning length1.5 mmAns. force Fy325 NMax. force Fy325 NMax. force Fy325 NMax. torque MX3 NmMax. torque MX2.5 NmMax. torque MX45 NTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	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 Pristion rod Slide Position sensing For proximity sensor Symbol 00991249 Operating pressure 0.15 MPa0.8 MPa Operating pressure 1.5 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy <= 0.3 mm	Stroke	40 mm
CushioningElastomer cushioning, at both ends, stroke not adjustableMounting positionAnyGuideRecirculating ball bearing guideStructural designTwin piston Yoke Piston rod SildePosition sensingFor proximity sensorOperating pressure0.5 MPa0.8 MPa 	Piston diameter	8 mm
Mounting positionAnyGuideRecirculating ball bearing guideStructural designTwin piston Yoke Piston rod SildePosition sensingOperating pressureOperating pressure0.15 MPa 0.8 MPaOperating pressure0.15 MPa 0.8 MPaOperating pressure0.15 MPa 0.8 MPaOperating pressure0.5 m/s 0.8 MPaMax opeed0.5 m/s 0.8 MPaOperating 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 seistance class (CRC)1 - Low corrosion stressLASS (PWIS) conformityVDM24364-81/82-1Cleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.03 JCushioning length1.5 mmMax. force Fz325 NMax. torque Mx3 NmMax. torque Mx3 Nm <trt< td=""><td>Drive unit operating mode</td><td>Yoke</td></trt<>	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 0.15 MPa 0.8 MPa Operating pressure 0.5 m/s Operating pressure 0.5 m/s Repetition accuracy <= 0.3 mm	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural designTwin piston Yoke Piston rod SildePosition sensingFor proximity sensorSymbol009912A9Operating pressure0.15 MPa 0.8 MPaOperating pressure1.5 bar 8 barOperating pressure21.75 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Mounting position	Any
Yoke Piston rod SitidePosition sensingFor proximity sensorSymbol00991249Operating pressure0.15 MPa 0.8 MPaOperating pressure0.15 MPa 0.8 MPaOperating pressure1.5 bar 8 barOperating pressure0.5 m/sRepetition accuracy <e 0.3="" mm<="" td="">Mode of operationDouble-actingOperating 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 150 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.03 JCushoning length1.5 mmMax. force Fz325 NMax. torque Mx3 NmMax. torque Mx2.5 NmMax. torque Mx2.5 NmMax. torque Mx3.5 NmMax. torque Mx3.5 NmMax. torque Mx3.5 NmMax. torque Mx1.5 S NmTheoretical force at 6 bar, advancing60 NMoving mass103 g</e>	Guide	Recirculating ball bearing guide
Symbol00991249Operating pressure0.15 MPa 0.8 MPaOperating pressure1.5 bar 8 barOperating pressure21.75 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Structural design	Yoke Piston rod
Operating pressure0.15 MPa 0.8 MPaOperating pressure1.5 bar 8 barOperating pressure21.75 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Position sensing	For proximity sensor
Operating pressure1.5 bar 8 barOperating pressure21.75 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	Symbol	00991249
InterventionInterventionOperating pressure21.75 psi 116 psiMax. speed0.5 m/sRepetition 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. torque Mx3 NmMax. torque Mx3 NmMax. torque Mx2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Operating pressure	0.15 MPa 0.8 MPa
Max. speed0.5 m/sRepetition accuracy<= 0.3 mm	Operating pressure	1.5 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmMax. torque Mz2.5 NmMax. torque Mz1.5 mmMax. torque Mz1.0 °C 60 °CMax. torque Mz1.0 °C 60 °CMax. torque Mz3 NmMax. torque Mz1.5 mmMax. torque Mz1.5 NmMax. torque	Operating pressure	21.75 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmMax. torque Mz2.5 NmMax. torque Mz0.5 NmMax. torque Mz1.5 mmMax. torque Mz1.5 NmMax. torque Mz1.5 NmMax. torque Mz3 NmMax. torque Mz1.5 Nm<	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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting60 NMoving mass103 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. torque Mx3 NmMax. torque Mx2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting60 NMoving mass103 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting60 NMoving mass103 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting60 NMoving mass103 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 positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Corrosion resistance class (CRC)	1 - Low corrosion stress
Ambient temperature-10 °C 60 °CImpact energy in the end positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Impact energy in the end positions0.03 JCushioning length1.5 mmMax. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length1.5 mmMax. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Ambient temperature	-10 °C 60 °C
Max. force Fy325 NMax. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Impact energy in the end positions	0.03 J
Max. force Fz325 NMax. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Cushioning length	1.5 mm
Max. torque Mx3 NmMax. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Max. force Fy	325 N
Max. torque My2.5 NmMax. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Max. force Fz	325 N
Max. torque Mz2.5 NmTheoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Max. torque Mx	3 Nm
Theoretical force at 6 bar, retracting45 NTheoretical force at 6 bar, advancing60 NMoving mass103 g	Max. torque My	2.5 Nm
Theoretical force at 6 bar, advancing 60 N Moving mass 103 g	Max. torque Mz	2.5 Nm
Moving mass 103 g	Theoretical force at 6 bar, retracting	45 N
	Theoretical force at 6 bar, advancing	60 N
Product weight 200 g	Moving mass	103 g
	Product weight	200 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