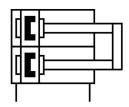
## Mini slide **DGST-20-80-E1A**Part number: 8078867







General operating condition

## **Data sheet**

Drive unit operating mode  Yoke Usishioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position  Any  Structural design  Twin piston Yoke Piston rod Slide  Position sensing Por proximity sensor  Operating pressure  On 1 MPa 0.8 MPa  Operating pressure  1 bar 8 bar  Operating pressure  1 4.5 psi 116 psi  Max. speed  O.5 m/5  Repetition accuracy  Operating medium  Operating wedge and pilot media  Operation with oil lubrication possible (required for further use)  Operating tengen time temperature  Operating the end positions  O.2 I  Cushioning length  I mm  Max. force Ey  I 030 N  Max. force Fy  I 030 N  Max. torque MX	Feature	Value
Trive unit operating mode  Cushioning  Elastomer cushioning, at both ends, stroke not adjustable  Any  Any  Ball bearing cage guide  Structural design  Twin piston Yoke Piston rod Slide  Operating pressure  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Operating medium  Operation with oil lubrication possible (required for further use)  Operation resistance class (CRC)  1 - Low corrosion stress  Operating length  Operating length  Imm  Max. force Fy  1030 N  Max. for	Stroke	80 mm
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 Operating pressure Operating medium Operating medium Operating medium Operating medium Operating medium Operating with oil lubrication possible (required for further use) Operating resistance class (CRC) Operating with oil lubrication possible (required for further use) Operating resistance class (CRC) Operating with oil lubrication possible (required for further use) Operating resistance class (CRC) Operating with oil lubrication possible (required for further use) Operating resistance class (CRC) Operating with oil lubrication possible (required for further use) Operating resistance class (CRC) Operating pressure Operating pre	Piston diameter	20 mm
Mounting position  Any Suide  Ball bearing cage guide  Twin piston Yoke Piston rod Slide  Position sensing For proximity sensor  Symbol Operating pressure On 1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy Accura	Drive unit operating mode	Yoke
Ball bearing cage guide  Structural design  Twin piston Yoke Piston rod Slide  Position sensing  For proximity sensor  Ooperating pressure  On IMPa 0.8 MPa  Operating pressure  1 bar 8 bar  Operating pressure  1 bar 8 bar  Operating pressure  O.5 m/s  Repetition accuracy  And of operation  Double-acting  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Operating nesistance class (CRC)  1 - Low corrosion stress  AMSE (PWIS) conformity  VOMA24364-B1/B2-L  Ambient temperature  -10 °C 60 °C  mpact energy in the end positions  O.2 J  Aux. force Fy  Max. force Fy  Max. force F2  1030 N  Max. torque MX  Heroretical force at 6 bar, retracting  Town of Moving mass  Product weight  Product weight  Position resistance class (CRC)  11 Nm  Moving mass  Product weight	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
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 Operating medium Compression and pilot media Operating with oil lubrication possible (required for further use) Operating sensure 1.1. Low corrosion stress  ABS (PWIS) conformity VDMA24364-81/B2-L  Whibeint temperature 1.0 °C 60 °C  Impact energy in the end positions 0.2 J  Max. force F2 1030 N  Max. torque MX	Mounting position	Any
Position sensing Positi	Guide	Ball bearing cage guide
Symbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Departing pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Operating medium 0.5 m/s Operating pressure 0.5 m/	Structural design	Yoke Piston rod
Departing pressure  On 1 MPa 0.8 MPa  Departing pressure  1 bar 8 bar  14.5 psi 116 psi  Max. speed  On 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)  Dorrosion resistance class (CRC)  1 · Low corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -10 °C 60 °C  Dushioning length  Max. force Fy  1030 N  Max. force Fz  1030 N  Max. torque Mx  Max. torque Mx  11 Nm  Max. torque Mx  Max. torque My  11 Nm  Max. torque My  Max. torque My  Max. torque My  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  Moving mass  Product weight  1618 g	Position sensing	For proximity sensor
Departing pressure 14.5 psi 116 psi  Max. 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)  Dorrosion resistance class (CRC) 1 · Low corrosion stress  ABS (PWIS) conformity VDMA24364-B1/B2-L  Ambient temperature -10 °C 60 °C  Dusthioning length 1 mm  Max. force Fy 1030 N  Max. force Fy 1030 N  Max. torque Mx 14 Nm  Max. torque Mx 14 Nm  Max. torque Mx 11 Nm  Max. torque My 11 Nm  Max. torque My 11 Nm  Max. torque Mz 11 Nm  Max. torque Mz 15 ps, retracting 317 N  Theoretical force at 6 bar, retracting 377 N  Moving mass 759 g  Product weight 1618 g	Symbol	00991249
Average Apperating pressure 14.5 psi 116 psi Avax. speed 0.5 m/s Avax. speed 0.5 m	Operating pressure	0.1 MPa 0.8 MPa
Max. speed 0.5 m/s Repetition accuracy <= 0.3 mm Repetition accuracy <= 0.3 mm Repetition accuracy	Operating pressure	1 bar 8 bar
Repetition accuracy  Woode of operation  Double-acting  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Corrosion resistance class (CRC)  1 - Low corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -10 ° C 60 ° C  Cushioning length  1 mm  Max. force Fy  1030 N  Max. force Fz  1030 N  Max. torque Mx  Max. torque Mx  Max. torque My  Max. torque My  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  Product weight  1618 g	Operating pressure	14.5 psi 116 psi
Double-acting Deperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Deperating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress  VDMA24364-B1/B2-L ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 10 °C 60 °C  Dushioning length 1 mm  Max. force Fy 1030 N  Max. force Fz 1030 N  Max. torque Mx 14 Nm  Max. torque Mx 11 Nm  Max. torque My Max. torque Mz 11 Nm  Theoretical force at 6 bar, retracting 317 N  Theoretical force at 6 bar, advancing Moving mass Product weight 1618 g	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) 1 - Low corrosion stress  CABS (PWIS) conformity VDMA24364-B1/B2-L Individual temperature -10 °C 60 °C Individual temperature In	Repetition accuracy	<= 0.3 mm
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  In mm  Max. force Fy  1030 N  Max. torque Mx  Max. torque Mx  Max. torque My  Max. torque My  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  Product weight  Operation with oil lubrication possible (required for further use)  1 - Low corrosion stress  VDMA24364-B1/B2-L  1- Low corrosion stress  10 °C 60 °C  0.2 J  10 °C 60 °C  1030 N  11 mm  11 mm  12 Nm  13 Nm  14 Nm  14 Nm  15 Nm  16 Nm  17 Nm  17 Nm  18 Nm  18 Nm  19 Nm  19 Nm  19 Nm  10 Nm  10 Nm  11 Nm  11 Nm  11 Nm  12 Nm  13 Nm  13 Nm  14 Nm  15 Nm  16 Nm  17 Nm  17 Nm  18 Nm  18 Nm  18 Nm  19 Nm  19 Nm  19 Nm  10 Nm  10 Nm  10 Nm  11 Nm  11 Nm  11 Nm  12 Nm  13 Nm  14 Nm  15 Nm  16 Nm  17 Nm  17 Nm  18 Nm  18 Nm  19 Nm  19 Nm  19 Nm  10 Nm  10 Nm  10 Nm  11 Nm  11 Nm  11 Nm  11 Nm  12 Nm  13 Nm  14 Nm  15 Nm  16 Nm  16 Nm  17 Nm  17 Nm  18 Nm  18 Nm  18 Nm  19 Nm  19 Nm  10 Nm  10 Nm  10 Nm  11 Nm  11 Nm  11 Nm  11 Nm  12 Nm  13 Nm  14 Nm  15 Nm  16 Nm  17 Nm  17 Nm  18 Nm  18 Nm  18 Nm  18 Nm  19 Nm  19 Nm  10 Nm  1	Mode of operation	Double-acting
Corrosion resistance class (CRC)  1 - Low corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -10 °C 60 °C  mpact energy in the end positions  0.2 J  Cushioning length  1 mm  Max. force Fy  1030 N  Max. force Fz  1030 N  Max. torque Mx  14 Nm  Max. torque Mx  11 Nm  Max. torque My  11 Nm  Max. torque Mz  Theoretical force at 6 bar, retracting  317 N  Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight	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  O.2 J  Cushioning length  1 mm  Max. force Fy  1030 N  Max. force Fz  1030 N  Max. torque Mx  14 Nm  Max. torque My  11 Nm  Max. torque My  11 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight	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 0.2 J Cushioning length 1 mm Max. force Fy 1030 N Max. force Fz 1030 N Max. torque Mx 14 Nm Max. torque My 11 Nm Max. torque Mz 11 Nm Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Moving mass 759 g Product weight 1618 g	Corrosion resistance class (CRC)	1 - Low corrosion stress
mpact energy in the end positions  O.2 J  Cushioning length  Max. force Fy  1030 N  Max. force Fz  1030 N  Max. torque Mx  14 Nm  Max. torque My  11 Nm  Max. torque Mz  Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight  1618 g	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cushioning length 1 mm  Max. force Fy 1030 N  Max. force Fz 1030 N  Max. torque Mx 14 Nm  Max. torque My 11 Nm  Max. torque Mz 11 Nm  Theoretical force at 6 bar, retracting 317 N  Theoretical force at 6 bar, advancing 377 N  Moving mass 759 g  Product weight 1618 g	Ambient temperature	-10 °C 60 °C
Max. force Fy  1030 N  Max. force Fz  1030 N  Max. torque Mx  14 Nm  Max. torque My  11 Nm  Max. torque Mz  11 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight  1618 g	Impact energy in the end positions	0.2 J
Max. force Fz  1030 N  Max. torque Mx  14 Nm  Max. torque My  11 Nm  Max. torque Mz  11 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight  1618 g	Cushioning length	1 mm
Max. torque Mx  Max. torque My  11 Nm  Max. torque Mz  11 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight  1618 g	Max. force Fy	1030 N
Max. torque My  11 Nm  Max. torque Mz  11 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  759 g  Product weight  1618 g	Max. force Fz	1030 N
Max. torque Mz  Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing	Max. torque Mx	14 Nm
Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 759 g Product weight 1618 g	Max. torque My	11 Nm
Theoretical force at 6 bar, advancing 377 N  Moving mass 759 g  Product weight 1618 g	Max. torque Mz	11 Nm
Moving mass 759 g Product weight 1618 g	Theoretical force at 6 bar, retracting	317 N
Product weight 1618 g	Theoretical force at 6 bar, advancing	377 N
	Moving mass	759 g
Type of mounting With through-hole	Product weight	1618 g
	Type of mounting	With through-hole

Feature	Value
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