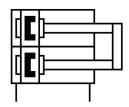
## Mini slide **DGST-20-30-E1A**Part number: 8078864







General operating condition

## **Data sheet**

| Drive unit operating mode  Drive unit operating mode  Yoke  Elastomer cushioning, at both ends, stroke not adjustable  Mounting position  Any  Studie  Ball bearing cage guide  Structural design  Twin piston Yoke Piston rod Slide  Piston rod Slide  Departing pressure  On 1 MPa 0.8 MPa  Departing pressure  1 bar 8 bar  Departing pressure  1 4.5 psi 116 psi  Max. speed  O.5 m/S  Repetition accuracy  George of operation  Double-acting  Doperating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Operating medium  Operating medium  Operation on operating and pilot media  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  1 - Low corrosion stress  Class 6 according to ISO 14644-1  Winbient temperature  In 0 C 60 °C  In 10 N  Max. force Fy  Il 10 N  Max. force Fy  Il 10 N  Max. force Fy  Max. torque Mx  Max. torque Mx  Max. torque Mx  Max. torque Mx  Moving mass  Day  Departing mass in both ends, stroke not adjustable  Any  Stoke not adjustable  Any  Moving mass  Damb  Any  Stoke not adjustable  Any  Invin piston  Yoke  Ball bearing cage guide  Ball bearing cage guide  Ball bearing cage guide  Ball bearing cage guide  Twin piston  Yoke  Piston rode  Any  Stoke according to Iso 14644-1  Note and the end positions  O. 2 J  Stoke note of Stoke note                 | Feature                                  | Value  |
|--|--|--|
| Trive unit operating mode  Cushioning  Elastomer cushioning, at both ends, stroke not adjustable  Any  Saulde  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  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Clearnoom class  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  Timp operation of the end positions  Operation is pressure  In mm  Max. force Fz  III 0 N  Max. force Fz  III 0 N  Max. torque MX  Mx torque MX  Mx torque MX  Mx torque MX  Mx      | Stroke                                   | 30 mm  |
| Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Ball bearing cage guide Structural design Twin piston Yoke Piston rod Slide Operating pressure Operating | Piston diameter                          | 20 mm  |
| Mounting position  Any  Ball bearing cage guide  Structural design  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  14.5 psi 116 psi  Max. speed  Operating are sure  Operating are sure  Operating beat 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)  Operating stance class (CRC)  1 - Low corrosion stress  ABS (PWIS) conformity  VDMA24364-81/B2-1  Clearroom class  Class 6 according to ISO 14644-1  Ambient temperature  10 °C 60 °C  Imm  Max. force Fy  1110 N  Max. force Fy  1110 N  Max. torque My  Max. torque Mg  M                 | Drive unit operating mode                | Yoke   |
| Ball bearing cage guide  Structural design  Twin piston Yoke Piston rod Slide  Position sensing  Por proximity sensor  Symbol  Operating pressure  On 1 MPa 0.8 MPa Operating pressure  1 bar 8 bar Operating pressure  1 bar 8 bar Operating pressure  0.5 m/s  Repetition accuracy  Acceptition accura             | Cushioning                               | Elastomer cushioning, at both ends, stroke not adjustable          |
| Twin piston Yoke Piston rod Slide  Position sensing For proximity sensor  Operating pressure O.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 4 0.3 mm Operating of operation Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operation Operation on operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1- Low corrosion stress  ABS (PWIS) conformity VDMA24364-B1/B2-L Clean com class Class 6 according to ISO 14644-1 Ambient temperature 1-10 °C 60 °C  Max. force Fy 1110 N Max. force Fy 1110 N Max. force Fz 1110 N Max. torque MX Max. torque MX Max. torque MX Max. torque MZ Max. torque MX Max. torque MZ Max. torque MX Max. torque MX Max. torque MX Max. torque MX  | Mounting position                        | Any  |
| Position sensing Position sensing For proximity sensor  Symbol Operating pressure Operating pressure Operating pressure Objecting pressure Objecti | Guide                                    | Ball bearing cage guide  |
| Symbol 00991249 Operating pressure 0.1 MPa 0.8 MPa Deparating pressure 1 bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy <= 0.3 mm Mode of operating Operating medium 0 Double-acting Operating medium 0 Compressed air as per ISO 8573-1:2010 [7:4:4] Operating no on operating and pilot media 0 Operation with oil lubrication possible (required for further use) Operation on other seistance class (CRC) 1- low corrosion stress Class 6 according to ISO 14644-1 Cleanroom class Class 6 caccording to ISO 14644-1 Cleanroom class Class 6 according to ISO 14644-1 Cleanroom class 6 accordi             | Structural design                        | Yoke<br>Piston rod   |
| Operating pressure Operating pressure Operating pressure Operating pressure 14.5 psi 116 psi Max. speed Operating Description Max. speed Operating Description Operating Description Operating Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating medium Operating on operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 · Low corrosion stress  Class (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1  Ambient temperature -10 °C 60 °C Operating medium Operating vision stress Operating Description operating operation operating operation operating Operating Operating Description operation operatio         | Position sensing                         | For proximity sensor   |
| Departing pressure 1 bar 8 bar  Departing pressure 14.5 psi 116 psi  Max. speed 0.5 m/s  Repetition accuracy <= 0.3 mm  Mode of operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]  Departing medium Operating and pilot media Operation with oil lubrication possible (required for further use)  Departing resistance class (CRC) 1 - Low corrosion stress  Class 6 according to ISO 14644-1  Cleanroom class Class 6 according to ISO 14644-1  Cleanroom class Class 6 according to ISO 14644-1  Cleanroom class Class 6 according to ISO 14644-1  Lieunous pin the end positions 0.2 J  Cushioning length 1 mm  Max. force Fy 1110 N  Max. force Fz 1110 N  Max. torque Mx 11 Nm  Max. torque Mx 11 Nm  Max. torque My 12 Nm  Max. torque Mz 12 Nm  Max. torque Mz 12 Nm  Max. torque Mz 13 Nm  Cheoretical force at 6 bar, retracting 317 N  Moving mass 455 g  | Symbol                                   | 00991249   |
| Departing pressure  14.5 psi 116 psi  Max. speed  0.5 m/s  Repetition accuracy  4 = 0.3 mm  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  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 mm  Max. force Fy  1110 N  Max. force Fz  1110 N  Max. torque Mx  Max. torque Mx  Max. torque My  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  Moving mass  Moving mass   | 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  Geogration  Double-acting  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Corrosion resistance class (CRC)  ABS (PWIS) conformity  Cleanroom class  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  Inm  Max. force Fy  Into N  Max. torque Mx  In Mm  Max. torque Mx  Max. torque My  Max. torque My  Max. torque Mz  Cheoretical force at 6 bar, retracting  Moving mass  Double-acting  Compressed air as per ISO 8573-1:2010 [7:4:4]  Double-acting  Compressed air as per ISO 8573-1:2010 [7:4:4]  Double-acting  Double-acting  Double-acting  Compressed air as per ISO 8573-1:2010 [7:4:4]  Double-acting per ISO 8573-1:2010 [7:4:4]  Doubl | Operating pressure                       | 14.5 psi 116 psi   |
| Double-acting Deperating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Deperating medium Operation with oil lubrication possible (required for further use) Deperation resistance class (CRC) 1 - Low corrosion stress  ABS (PWIS) conformity VDMA24364-B1/B2-L Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C 60 °C  mpact energy in the end positions 0.2 J Cushioning length 1 mm Max. force Fy 1110 N Max. force Fz 1110 N Max. torque Mx 11 Nm Max. torque Mx Max. torque My Max. torque My Max. torque Mz Theoretical force at 6 bar, retracting 1377 N Moving mass 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  Class (CRC)  1 - Low corrosion stress  Class (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.2 J  Cushioning length  1 mm  Max. force Fy  1110 N  Max. force Fz  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  317 N  Theoretical force at 6 bar, advancing  Moving mass  455 g   | 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  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  mpact energy in the end positions  Cushioning length  1 mm  Max. force Fy  1110 N  Max. torque Mx  11 Nm  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  Operation with oil lubrication possible (required for further use)  1 - Low corrosion stress  VDMA24364-B1/B2-L  Class 6 according to ISO 14644-1  -10 °C 60 °C  0.2 J  110 N  1110 N  1110 N  12 Nm  13 Nm  14 Nm  15 Nm  16 Nm  16 Nm  17 N  18 Nm          | Mode of operation                        | Double-acting  |
| Corrosion resistance class (CRC)  1 - Low corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  mpact energy in the end positions  0.2 J  Cushioning length  1 mm  Max. force Fy  1110 N  Max. force Fz  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Max. torque My  12 Nm  Theoretical force at 6 bar, retracting  317 N  Moving mass  455 g   | Operating medium                         | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| ABS (PWIS) conformity  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  Impact energy in the end positions  0.2 J  Cushioning length  1 mm  Max. force Fy  1110 N  Max. force Fz  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Max. torque My  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  455 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  mpact energy in the end positions  0.2 J  Cushioning length  1 mm  Max. force Fy  1110 N  Max. force Fz  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Max. torque Mz  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  -11 Nm  -11 Nm  -11 Nm  -11 Nm  -11 Nm  -12 Nm  -13 Nm  -14 Nm  -15 Sg  Moving mass  455 Sg   | Corrosion resistance class (CRC)         | 1 - Low corrosion stress   |
| Ambient temperature  -10 °C 60 °C  mpact energy in the end positions  0.2 J  Cushioning length  1 mm  Max. force Fy  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  -10 °C 60 °C  0.2 J  1 mm  1 mm  1 mm  1 mm  1 10 N  1          | LABS (PWIS) conformity                   | VDMA24364-B1/B2-L  |
| mpact energy in the end positions  O.2 J  Cushioning length  1 mm  Max. force Fy  1110 N  Max. force Fz  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Theoretical force at 6 bar, retracting  317 N  Moving mass  0.2 J  1 mm  1 mm  1 mm  1 mm  1 1 N m  1 1 N m  1 2 N m  1 3 7 N  4 5 5 g  | Cleanroom class                          | Class 6 according to ISO 14644-1                                   |
| Cushioning length 1 mm  Max. force Fy 1110 N  Max. force Fz 1110 N  Max. torque Mx 11 Nm  Max. torque My 12 Nm  Max. torque Mz 12 Nm  Theoretical force at 6 bar, retracting 317 N  Theoretical force at 6 bar, advancing 377 N  Moving mass 455 g   | Ambient temperature                      | -10 °C 60 °C   |
| Max. force Fy Max. force Fz  1110 N  Max. torque Mx  11 Nm  Max. torque My  12 Nm  Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  Moving mass  1110 N  | Impact energy in the end positions       | 0.2 J  |
| Max. force Fz 1110 N  Max. torque Mx 11 Nm  Max. torque My 12 Nm  Max. torque Mz 12 Nm  Theoretical force at 6 bar, retracting 317 N  Theoretical force at 6 bar, advancing 377 N  Moving mass 455 g   | Cushioning length                        | 1 mm   |
| Max. torque Mx 11 Nm  Max. torque My 12 Nm  Max. torque Mz 12 Nm  Theoretical force at 6 bar, retracting 317 N  Theoretical force at 6 bar, advancing 377 N  Moving mass 455 g   | Max. force Fy                            | 1110 N   |
| Max. torque My  12 Nm  Max. torque Mz  12 Nm  Theoretical force at 6 bar, retracting  317 N  Theoretical force at 6 bar, advancing  377 N  Moving mass  455 g  | Max. force Fz                            | 1110 N   |
| Max. torque Mz  Theoretical force at 6 bar, retracting  Theoretical force at 6 bar, advancing  317 N  Theoretical force at 6 bar, advancing  455 g   | Max. torque Mx                           | 11 Nm  |
| Theoretical force at 6 bar, retracting 317 N Theoretical force at 6 bar, advancing 377 N Moving mass 455 g   | Max. torque My                           | 12 Nm  |
| Theoretical force at 6 bar, advancing 377 N Moving mass 455 g  | Max. torque Mz                           | 12 Nm  |
| Moving mass 455 g  | Theoretical force at 6 bar, retracting   | 317 N  |
|  | Theoretical force at 6 bar, advancing    | 377 N  |
| Product weight 994 g   | Moving mass                              | 455 g  |
|  | Product weight                           | 994 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 |