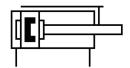
## Mini slide **DGSS-6-60-E1A**Part number: 8164058







## **Data sheet**

General operating condition

Stroke 60 mm  Size 6 Piston diameter 6 mm  Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Guide Recirculating ball bearing guide  Structural design Yoke Piston rod Slide  Position sensing For proximity sensor  Symbol 00991737  Operating pressure 0.15 MPa 0.8 MPa  Operating pressure 1.5 bar 8 bar  Operating pressure 21.75 psi 116 psi  Max. speed 0.5 m/s  Repetition accuracy 400 mode of operation 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 Corrosion resistance class (CRC) 1 - Low corrosion stress  LABS (PWIS) conformity VDMA24364-C1-L  Suitability for the production of Li-ion batteries dare excluded from use. Exceptions are nickel in steel, chem plated surfaces, printed circuit boards, cables, electrical pl and coils  Cleanroom class Class 6 according to ISO 14644-1  Ambient temperature 10 °C 60 °C  Impact energy in the end positions 0.01 I  Cushioning length 0.9 mm  Max. force Fz 205 N  Max. torque Mx 0.5 Nm	
Piston diameter  Cushioning  Elastomer cushioning, at both ends, stroke not adjustable  Mounting position  Any  Guide  Recirculating ball bearing guide  Structural design  Yoke Piston rod Slide  Position sensing  For proximity sensor  Symbol  Operating pressure  Operating pressure  Operating pressure  Operating pressure  Operating pressure  1.5 bar 8 bar  Operating pressure  O.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  Corrosion resistance class (CRC)  LABS (PWIS) conformity  VDMA24364-C1-L  Suitability for the production of Li-ion batteries  Metals with more than 1% by mass of copper, zinc or nicke are excluded from use. Exceptions are nickel in steel, chem plated surfaces, printed circuit boards, cables, electrical pl and coils  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  Impact energy in the end positions  O.9 mm  Max. force Fy  205 N  Max. force Fz  205 N  Max. torque Mx  O.5 Nm	
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Mounting position  Guide  Recirculating ball bearing guide  Yoke Piston rod Slide  Position sensing  For proximity sensor  Symbol  Operating pressure  Operating pressure  Operating pressure  Operating pressure  Operating necessare  Repetition accuracy  Genome and pilot media  Operating medium  Operating medium  Operating and pilot media  Operation with oil lubrication possible (required for further Corrosion resistance class (CRC)  Labs (PWIS) conformity  Suitability for the production of Li-ion batteries  Metals with more than 1% by mass of copper, zinc or nicke are excluded from use. Exceptions are nickel in steel, chem plated surfaces, printed circuit boards, cables, electrical pl and coils  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  Impact energy in the end positions  O.9 mm  Max. force Fy  DAM. O.5 Nm  Max. torque My  O.5 Nm	
Guide  Recirculating ball bearing guide  Structural design  Yoke Piston rod Side  Position sensing  For proximity sensor  Symbol  00991737  Operating pressure  0.15 MPa 0.8 MPa  Operating pressure  1.5 bar 8 bar  Operating pressure  21.75 psi 116 psi  Max. speed  Max. speed  0.5 m/s  Repetition accuracy  4 = 0.3 mm  Mode of operating  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  Corrosion resistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-C1-L  Suitability for the production of Li-ion batteries  Metals with more than 1% by mass of copper, zinc or nicke are excluded from use. Exceptions are nickel in steel, chem plated surfaces, printed circuit boards, cables, electrical pl and coils  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  -10 °C 60 °C  Impact energy in the end positions  O.01 J  Cushioning length  0.9 mm  Max. force Fy  205 N  Max. torque My  0.5 Nm	
Structural design Position sensing For proximity sensor  Symbol Operating pressure Operating operating Operating Operating Max. speed Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating medium Operating operating operating operation with oil lubrication possible (required for further Operation on operating and pilot media Operation with oil lubrication possible (required for further Operation on operating and pilot media Operation with oil lubrication possible (required for further Operation on operating and pilot media Operation with oil lubrication possible (required for further Operation on operating and pilot media Operation with oil lubrication possible (required for further Operation on operating and pilot media Operation with oil lubrication possible (required for further Operation on operating on operating operation ope	
Piston rod Slide  Position sensing  For proximity sensor  Operating pressure  Operating pressure  Operating pressure  Operating pressure  1.5 bar 8 bar  Operating pressure  21.75 psi 116 psi  Max. speed  0.5 m/s  Repetition accuracy  (= 0.3 mm  Mode of operation  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Information on operating and pilot media  Operating medium  Operation with oil lubrication possible (required for further Corrosion resistance class (CRC)  1 - Low corrosion stress  LABS (PWIS) conformity  VDMA24364-C1-L  Suitability for the production of Li-ion batteries  Metals with more than 1% by mass of copper, zinc or nicke are excluded from use. Exceptions are nickel in steel, chem plated surfaces, printed circuit boards, cables, electrical pl and coils  Cleanroom class  Class 6 according to ISO 14644-1  Ambient temperature  10 °C 60 °C  Impact energy in the end positions  O.01 J  Cushioning length  0.9 mm  Max. force Fy  205 N  Max. force Fz  205 N  Max. torque My  0.5 Nm	
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Cushioning length         0.9 mm           Max. force Fy         205 N           Max. force Fz         205 N           Max. torque Mx         0.6 Nm           Max. torque My         0.5 Nm	
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Max. force Fz         205 N           Max. torque Mx         0.6 Nm           Max. torque My         0.5 Nm	
Max. torque Mx  0.6 Nm  Max. torque My  0.5 Nm	
Max. torque My 0.5 Nm	
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Max. torque Mz 0.5 Nm	
Theoretical force at 6 bar, retracting 13 N	
Theoretical force at 6 bar, advancing 17 N	
Moving mass 51 g	

Feature	Value
Product weight	134 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover material	Wrought aluminum alloy
Seals material	NBR PU
Guide material	NBR PA High-alloy steel
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel