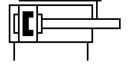
Mini slide DGSS-10-5-E1A Part number: 8164059



Data sheet



FESTO

General operating condition

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 nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel-	Feature	Value
Piston diameter 10 mm Cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Guide Recirculating ball bearing guide Structural design Yoke Platon rod Silde Position sensing For proximity sensor Symbol 00991737 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1bar 8 bar Operating pressure 14.5 psi 116 psi Max. speed 0.5 m/s Repetition accuracy <= 0.3 mm	Stroke	5 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 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar Operating pressure 1 bar 8 bar Operating pressure 0.5 m/s Repetition accuracy <-0.3 mm	Size	10
Mounting position Any Guide Recirculating ball bearing guide Structural design Yoke Position sensing For proximity sensor Symbol 00991737 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1.4.5 psi 116 psi Max. speed 6.5 m/s Repetition accuracy (-0.3 mm Mode of operating and pilot media Operating Medium 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 nickel by mass and colls Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10 °C 60 °C Impact energy in the end positions 0.018 J Cushioning length 1.5 mm Max, torque Mx 3 Nm Max, torque Mx 3 Nm Max, torque Mx 2.6 Nm Max, torque Mx 2.6 Nm Max, torque Mx 3 Nm Max, torque Mz 2.6 Nm	Piston diameter	10 mm
Guide Recirculating ball bearing guide Structural design Yoke Position sensing For proximity sensor Symbol 00991737 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1.5 m. 8 bar Operating pressure 0.5 m/s Repetition accuracy <-0.3 mm	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural design Yoke Piston rod Silide Position sensing For proximity sensor Symbol 00991737 Operating pressure 0.1 MPa 0.8 MPa Operating pressure 1 bar 8 bar 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	Mounting position	Any
Piston rod SlidePosition sensingFor proximity sensorSymbol00991737Operating pressure0.1 MPa 0.8 MPaOperating pressure1 bar 8 barOperating pressure1.4.5 psi 116 psiMax. speed0.5 m/sRepetition accuracy<-0.3 mm	Guide	Recirculating ball bearing guide
Symbol00991737Operating 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	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	00991737
Determining14.5 psi 116 psiMax. speed0.5 m/sRepetition accuracy<= 0.3 mm	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-C1-LSuitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque Mx2.6 NmMax. torque My2.6 NmMax. torque Mz3.0 mTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Operating pressure	14.5 psi 116 psi
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) conformityVDMA24364-C1-LSuitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque Mx2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	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-C1-LSuitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque MX3 NmMax. torque MX3 NmMax. torque MX3 NmMax. torque MZ2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	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-C1-LSuitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Mode of operation	Double-acting
Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-C1-LSuitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformityVDMA24364-C1-LSuitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Suitability for the production of Li-ion batteriesMetals with more than 1% by mass of copper, zinc or nickel by mass are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz39 NTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Corrosion resistance class (CRC)	1 - Low corrosion stress
are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors and coilsCleanroom classClass 6 according to ISO 14644-1Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	LABS (PWIS) conformity	VDMA24364-C1-L
Ambient temperature-10 °C 60 °CImpact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. force Fz826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Suitability for the production of Li-ion batteries	are excluded from use. Exceptions are nickel in steel, chemically nickel- plated surfaces, printed circuit boards, cables, electrical plug connectors
Impact energy in the end positions0.018 JCushioning length1.5 mmMax. force Fy826 NMax. force Fz826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length1.5 mmMax. force Fy826 NMax. force Fz826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Ambient temperature	-10 °C 60 °C
Max. force Fy826 NMax. force Fz826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Impact energy in the end positions	0.018 J
Max. force Fz826 NMax. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Cushioning length	1.5 mm
Max. torque Mx3 NmMax. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Max. force Fy	826 N
Max. torque My2.6 NmMax. torque Mz2.6 NmTheoretical force at 6 bar, retracting39 NTheoretical force at 6 bar, advancing47 N	Max. force Fz	826 N
Max. torque Mz 2.6 Nm Theoretical force at 6 bar, retracting 39 N Theoretical force at 6 bar, advancing 47 N	Max. torque Mx	3 Nm
Theoretical force at 6 bar, retracting 39 N Theoretical force at 6 bar, advancing 47 N	Max. torque My	2.6 Nm
Theoretical force at 6 bar, advancing 47 N	Max. torque Mz	2.6 Nm
	Theoretical force at 6 bar, retracting	39 N
Moving mass 52 g	Theoretical force at 6 bar, advancing	47 N
	Moving mass	52 g

Feature	Value
Product weight	117 g
Type of mounting	With through-hole With internal thread
Pneumatic connection	M5
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