



Data sheet

Description accuracy Mode of operation Departion on operating medium Departion on operating and pilot media Departing medium Departing medium Departing medium Departing the production of Li-ion batteries Departing the production of Li-ion batteries Decarding length Decarding le	Feature	Value
Elastomer ushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Recirculating ball bearing guide Structural design Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure 0.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed 0.5 m/s Repetition accuraccy = 0.3 mm Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress Sultability for the production of Li-ion batteries Metals with more than 1% copper, zinc or nickel by mass are excluded surfaces, printed circuit boards, cables, electrical plug connectors and coils Cleanroom class Class 6 according to ISO 14644-1 Class 6 accordin	Stroke	40 mm
Elastomer cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Recirculating ball bearing guide Prosestion sensing Proson Slide Position sensing For proximity sensor Operating pressure 0.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed 0.5 m/s Repetition accuracy 4 0.5 m/s Repetition accuracy 4 0.5 m/s Repetition and proson operating and pilot media 0.5 m/s Operating medium 0.5 m/s operation on operating and pilot media 0.5 m/s Operation resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-C1-L Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C60 °C mpact energy in the end positions 0.018 Cushioning length 1.5 mm Max. force Fy 655 N Max. force Fz 655 N Max. torque MX Max. torque MX Max. torque MM Max.	Size	10
Mounting position Suide Recirculating ball bearing guide Position sensing Poperating pressure On 1 MPaO.8 MPa 1 bar8 bar 1 bar8	Piston diameter	10 mm
Recirculating ball bearing guide Structural design Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure O.1 MPa0.8 MPa 1 bar8 bar 1 h.5 psi116 psi Max. speed O.5 m/s Repetition accuracy Geograting medium Compressed air as per ISO 8573-1:2010 [7:4:4] Difformation on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-C1-L Suitability for the production of Li-ion batteries Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature 10 °C60 °C mpact energy in the end positions O.018 J Cushioning length Max. force Fz Max. force Fz Max. torque My 2.1 Nm	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural design Piston rod Slide Position sensing Propoximity sensor O.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed O.5 m/s Repetition accuracy de 0.3 mm 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 use) Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity WDMA24364-C1-L Suitability for the production of Li-ion batteries Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature mpact energy in the end positions O.018 J Lushioning length 1.5 mm Max. force Fy 655 N Max. torque MX Max. torque MY 2.1 Nm	Mounting position	Any
Piston rod Silde Position sensing Proposition sensition sensi	Guide	Recirculating ball bearing guide
Operating pressure O.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed O.5 m/s Repetition accuracy Mode of operation Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-C1-L Suitability for the production of Li-ion batteries Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C60 °C mpact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 655 N Max. force Fz 655 N Max. torque Mx Max. torque My 2.1 Nm	Structural design	Piston rod
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Repetition accuracy (= 0.3 mm Double-acting Compressed air as per ISO 8573-1:2010 [7:4:4] Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-C1-L Suitability for the production of Li-ion batteries Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C60 °C mpact energy in the end positions Cushioning length 1.5 mm Max. force Fy 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	Operating pressure	1 bar8 bar
Double-acting Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-C1-L Suitability for the production of Li-ion batteries Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C60 °C mpact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 655 N Max. force Fz 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	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 ABS (PWIS) conformity VDMA24364-C1-L Metals with more than 1% 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 coils Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature -10 °C60 °C mpact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 655 N Max. force Fz 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	Repetition accuracy	<= 0.3 mm
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Ambient temperature -10 °C60 °C mpact energy in the end positions 0.018 J Cushioning length 1.5 mm Max. force Fy 655 N Max. force Fz 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	Suitability for the production of Li-ion batteries	from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and
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Cushioning length 1.5 mm Max. force Fy 655 N Max. force Fz 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	Ambient temperature	-10 °C60 °C
Max. force Fy 655 N Max. force Fz 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	Impact energy in the end positions	0.018 J
Max. force Fz 655 N Max. torque Mx 2.4 Nm Max. torque My 2.1 Nm	Cushioning length	1.5 mm
Max. torque Mx 2.4 Nm Vax. torque My 2.1 Nm	Max. force Fy	655 N
Max. torque My 2.1 Nm	Max. force Fz	655 N
1 /	Max. torque Mx	2.4 Nm
Max. torque Mz 2.1 Nm	Max. torque My	2.1 Nm
	Max. torque Mz	2.1 Nm

Feature	Value
Theoretical force at 6 bar, retracting	39 N
Theoretical force at 6 bar, advancing	47 N
Moving mass	77 g
Product weight	183 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