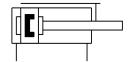
Part number: 8164063





Data sheet

Size	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 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 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 Operation with oil lubrication possible (required for further use) 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% 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 Ambient temperature -10 °C60 °C Impact energy in the end positions 0.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. torque MX 2.8 Nm Max. torque MM	Stroke	25 mm
Elastomer cushioning Elastomer cushioning, at both ends, stroke not adjustable Mounting position Any Guide Recirculating ball bearing guide Structural design Piston rod Slide Position sensing Piston rod Slide Poperating pressure 0.1 MPa0.8 MPa 1 bar0 8 MPa 1 b	Size	10
Mounting position Guide Recirculating ball bearing guide Structural design Yoke Piston rod Slide Position sensing For proximity sensor Operating pressure O.1 MPaO.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed O.5 m/s Repetition accuracy <= 0.3 mm Mode of operating Operating medium Information on operating and pilot media Operation with oil lubrication possible (required for further use) 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% 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 Impact energy in the end positions O.018 J Cushioning length Max. force Fy 766 N Max. torque My 2.4 Nm Max. torque My 2.4 Nm	Piston diameter	10 mm
Guide 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 1 har8 bar 1 har9 har bar 1 har.	Cushioning	Elastomer cushioning, at both ends, stroke not adjustable
Structural design Yoke Piston rod Slide Position sensing Operating pressure O1. MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed O.5 m/s Repetition accuracy G1. Mpa0.8 Mpa 1 bar8 bar 14.5 psi116 psi Max. speed O.5 m/s Repetition accuracy G2. 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 use) 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% 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 Cleanroom class Class 6 according to ISO 14644-1 Ambient temperature Inpact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx Ax. torque My 2.4 Nm	Mounting position	Any
Position sensing Position sensing For proximity sensor On MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi Max. speed Repetition accuracy Mode of operating medium 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 LABS (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 1.0 °C60 °C Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Guide	Recirculating ball bearing guide
Operating pressure Operating pressure O.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi 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 Operation with oil lubrication possible (required for further use) 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% 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 Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx Ax. torque My 2.4 Nm	Structural design	Piston rod
1 bar8 bar 14.5 psi116 psi Max. speed 0.5 m/s Repetition accuracy <= 0.3 mm 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 use) 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% 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 Impact energy in the end positions 0.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Position sensing	For proximity sensor
Repetition accuracy (= 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 LABS (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 Impact energy in the end positions 0.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Operating pressure	1 bar8 bar
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 LABS (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 Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Max. speed	0.5 m/s
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) 1 - Low corrosion stress LABS (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 Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Repetition accuracy	<= 0.3 mm
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress LABS (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 Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Mode of operation	Double-acting
Corrosion resistance class (CRC) LABS (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 Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
LABS (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 Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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 Impact energy in the end positions Cushioning length 1.5 mm Max. force Fy 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Corrosion resistance class (CRC)	1 - Low corrosion stress
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 -10 °C60 °C Impact energy in the end positions 0.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	LABS (PWIS) conformity	VDMA24364-C1-L
Ambient temperature -10 °C60 °C Impact energy in the end positions 0.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 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
Impact energy in the end positions O.018 J Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Cleanroom class	Class 6 according to ISO 14644-1
Cushioning length 1.5 mm Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Ambient temperature	-10 °C60 °C
Max. force Fy 766 N Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Impact energy in the end positions	0.018 J
Max. force Fz 766 N Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Cushioning length	1.5 mm
Max. torque Mx 2.8 Nm Max. torque My 2.4 Nm	Max. force Fy	766 N
Max. torque My 2.4 Nm	Max. force Fz	766 N
	Max. torque Mx	2.8 Nm
Max. torque Mz 2.4 Nm	Max. torque My	2.4 Nm
	Max. torque Mz	2.4 Nm

Feature	Value
Theoretical force at 6 bar, retracting	39 N
Theoretical force at 6 bar, advancing	47 N
Moving mass	67 g
Product weight	154 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