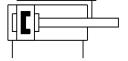
Part number: 8164051





Data sheet

Feature	Value
Stroke	10 mm
Size	6
Piston diameter	6 mm
Cushioning	Elastomer cushioning, double-sided, stroke not adjustable
Mounting position	optional
Guide	Recirculating ball bearing guide
Design	Yoke Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.15 MPa0.8 MPa 1.5 bar8 bar 21.75 psi116 psi
Max. speed	0.5 m/s
Repetition accuracy	<= 0.3 mm
Mode of operation	Double-acting
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
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 end positions	0.01 J
Cushioning length	0.9 mm
Max. force Fy	296 N
Max. force Fz	296 N
Max. moment Mx	0.8 Nm
Max. moment My	0.7 Nm
Max. moment Mz	0.7 Nm

Feature	Value
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	13 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	17 N
Moving mass	28 g
Product weight	68 g
Type of mounting	With through-hole Via female thread
Pneumatic connection	M3
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	NBR PU
Material guide	NBR PA High-alloy steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel