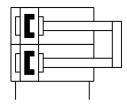
Part number: 8073896





Data sheet

Feature	Value
Stroke	10 mm200 mm
Adjustable end position range/length front	6.45 mm32.9 mm
Adjustable end position range/length rear	7 mm31.1 mm
Piston diameter	20 mm
Operating mode, drive unit	Yoke
Cushioning	Short elastic cushioning rings/pads at both ends Elastomer cushioning, double-sided, stroke not adjustable Elastic cushioning rings/plates at both ends Elastic cushioning rings/pads at both ends with fixed stop External hydraulic cushioning
Mounting position	optional
Guide	Ball bearing cage guide
Design	Twin piston Yoke Piston rod Slide
Position detection	Via proximity switch
Variants	Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Operating pressure	0.1 MPa0.8 MPa 1 bar8 bar 14.5 psi116 psi
Max. speed	0.5 m/s0.8 m/s
Repetition accuracy	<= 0.3 mm <= 0.02 mm
Mode of operation	Double-acting 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-B1/B2-L

Feature	Value
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 7 according to ISO 14644-1
Ambient temperature	-10 °C60 °C
Impact energy in end positions	0.2 J3 J
Cushioning length	1 mm8 mm
Max. force Fy	930 N1600 N
Max. force Fz	930 N1600 N
Max. moment Mx	9 Nm20 Nm
Max. moment My	10 Nm18 Nm
Max. moment Mz	10 Nm18 Nm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	317 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	377 N
Moving mass	440 g1532.5 g
Product weight	970 g3420 g
Type of mounting	With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material guide	POM TPE-E High-alloy steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel