BIBUS

Electric Linear Actuator

Seamless linear Positioning



BIBUS Linear Actuators, specifically designed to elevate the performance of hospital beds, dental chairs, OT tables, basement trapdoors and murphy beds. Engineered with cutting-edge technology and precision, which ensure seamless, smooth, and precise movements, revolutionizing functionality in various applications. With a focus on safety and reliability, our robustly constructed actuators, delivering durability and longevity for everyday use.

Product Overview



Linear Actuator, Lifting Columns, Control Box & Handset

Features

- Optional feedback for example potentiometers, Hall sensors etc.
- Easily integrated into PLCs or other control systems.
- Compatible with smart automation.
- Custom stroke lengths also available in different models.
- Various models offer different combinations of speed (mm/s) and force (N or kg).
- Suitable for constrained spaces.
- Self-locking mechanism holds its position without consuming power.
- Prevents damage by cutting off power if excessive load applied.

Applications



Applications



Solar Tracker



Dental Chairs



Patient Hoist Lift

Technical Data

Parameter	Specification
Input Voltage	12V / 24V / 36V
Load Capacity	Min 125N - Max 10,000N
Colour	White , Black
Speed	Min 3 mm/sec – Max 40 mm/sec
Protection Grade	IP43 , IP54, IP66
Duty Cycle	10% - 25% range
Stroke Lengths in mm	Min 50 mm – Max 900 mm (Customized stroke length on request)
Open Length	Installation Length + Stroke length
Installation Length	Depends on type of model
Noise Level	≤ 48 dB(A) (ambient noise ≤ 40 dB)
Quick Release Function	Optional
Safety Nut	Optional
Hall Sensor	Optional
Limit Switch	Built-in electronic
Weight	2 - 5 kg (varies on Stroke and Load)
Static Bending Moment	Lateral load is not allowed
Certifications	ROHS, CE Certified

Note: Mounting of actuators is important for any application to have better results in operation.

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