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SMELA LE BASE ACTUATOR

Smela DSP driven linear actuator

LE-BASE.50.S100.045.8N.S1
Compact SMELA LE-BASE integrated electric linear actuator with 45 mm stroke, S100 screw and m8x14 internal thread.



- Compact design – up to 80% space saving
- IP65-rated
- Precise positioning with encoder feedback
- Compatible with any motion controller or bus system

PRODUCT DESCRIPTION

SMELA liteECO® LE-BASE Electric Linear Actuator

The SMELA liteECO® LE-BASE is a compact electric linear actuator designed as a high-performance alternative to pneumatic cylinders. Combining a patented telescopic motor and mechanical arrangement with robust industrial features, the LE-BASE delivers precise positioning, reduced energy consumption and exceptional space savings in machine-building and automation applications.

Suitable for production lines, packaging machinery, assembly systems and handling equipment, the LE-BASE offers flexible stroke lengths of 45 mm, 85 mm and 115 mm, with unrestricted positioning across the full travel range. Its compact design can reduce installation space by up to 80% compared to conventional electric solutions, while consuming significantly less energy than pneumatic alternatives.

Designed for industrial environments, the actuator features IP65 protection, a robust M15 rotating connector with quick-lock system, high-resolution encoder feedback and compatibility with a wide range of motion controllers and fieldbus architectures. With no integrated drive controller, machine builders retain complete freedom when selecting their preferred control platform.

Key Features

Compact electric alternative to pneumatic cylinders
Up to 80% installation space saving
Up to 75% energy reduction compared to pneumatic systems
IP65-rated housing for industrial environments
Available stroke lengths: 45 mm, 85 mm and 115 mm
High-resolution encoder feedback for accurate positioning
Compatible with a wide range of motion controllers and bus systems
Rotatable M15 hybrid connector with quick-release locking system
Optional adapter and swivel flanges for flexible installation

Typical Applications

Packaging machinery
Conveyor and material handling systems
Automated assembly equipment
Production and manufacturing lines
Machine tools and positioning systems











