

AVENTICS™ Electro Slides (ES) and Portal Axes (PEL & PDL) with Safety Function

Increase the safety for your staff while configuring your assembly lines

Maximize safety and performance of your handling systems to increase the effectiveness of your production operations.

Ensuring functional safety with dynamic linear motors can be challenging, but Emerson simplifies it. Our new package integrates safety features and additional functions directly into the motor and controller, compatible with existing ES, PEL, and PDL product lines. Easily incorporate these advancements into new or existing machines without overhauling your current systems.

Upgrade to Emerson's technology for enhanced safety with features like 'Safe Limited Speed' (SLS), which prevents machinery from exceeding specified speed limits, crucial in high-speed environments. Stay ahead with Emerson's comprehensive solution for safe, efficient automation.



The setup work on your system can now be carried out safely and in compliance with the law (SLS = Safe Limited Speed), and the system can be optimally configured under safe conditions.

Discover the benefits of Emerson's linear axes with integrated safety features

Experience the advantages of our linear axes with integrated safety features, enabling you to design numerous handling systems tailored to your needs while ensuring your employees can operate the equipment safely.

- STO: Safe Torque Off
- SS1: Safe Stop 1
- SS2: Safe Stop 2
- SOS: Safe Operating Stop
- SLS: Safe Limited Speed
- SBC: Safe Brake Control
- SBT: Safe Brake Test

Maximizing machine safety, uptime and productivity

Safe Working on the Assembly System

Enhance the safety of your staff while configuring your assembly lines, ensuring a secure working environment.

Required Safety Functions

Our advanced safety functions are essential during the commissioning of dynamic linear axes in assembly systems, providing increased safety measures.

Simple Integration

Our safety technology is compatible with all major linear motor axes. The identical dimensions ensure seamless installation and easy integration.

Durability

Designed from the ground up, our product is built to be robust and long-lasting, providing reliable performance over time.

Reliability and Versatility

Our solution features multi-interface capability with various electrical interfaces, one-cable technology, and standardized mechanical interfaces. It is directly combinable for handling systems, ensuring maximum flexibility and efficiency

Multi-Interface Drive:

- One hardware supports different communication busses
- Real time communication protocols
- Synchronized and independent movements

