



IO-Link

Safety over
EtherCAT



NEWS

2026



SSP
Safety System Products

Simplifier System



Wireless Safety with PROFIsafe

The Simplifier is a modular safety system that combines all common safety functions – from door locks and light curtains to emergency stop buttons. Signals are collected via the **Simplifier Gateway** and transmitted directly to the control system via PROFIsafe.

How does it work?

- **Directly on the fence:** Simplifier modules are attached to doors, gates, or safety elements.
- **Networking:** Wireless or via CAN bus – up to 32 devices with just one Simplifier Gateway
- **Integration:** All signals converge in the Simplifier Gateway and are transmitted to the Siemens control system via PROFIsafe.
- **Central programming:** Safety functions are defined directly in the control system
- **Number of safety functions:** Up to 2048 secure I/Os can be processed via Simplifier Gateway.



The benefits at a glance:

- **Less cabling** thanks to wireless communication
- **Plug & Play:** Quick setup and commissioning
- **Modularly expandable:** From switches and light curtains to I/O modules
- **Slim Design:** Installation directly on the fence profile without additional space requirements
- **Future-proof:** Easy adaptation in case of modification or expansion



Safety Simplifier



The latest firmware provides the Safety Simplifier with numerous performance-enhancing functions that take communication, flexibility and ease of use to a whole new level. This makes it even easier and more efficient to use in complex and safety-critical applications.

Highlights of the new firmware:

- **Completely revised wireless protocol:** Improved synchronisation and shorter cycle times.
- **Listener function:** Up to 1,000 Simplifiers per project can receive signals as listeners and switch specific outputs.
- **Repeater function:** Wireless amplifiers are no longer factored into the project size (16 Simplifiers) – up to 100 repeaters are possible.
- **SimpleCAN:** New CAN protocol for communication with the Simplifier Gateway and for connecting multiple Simplifier projects.
- **Multi-Channel Networks:** Simultaneous transmission and reception on multiple wireless channels – ideal for demanding applications.



IO-Link safety switch

HOLDX R – Smart magnetic lock

- **Smart:** IO-Link for real-time diagnostics and quick reactions
- **Efficient:** Early detection of faults reduces downtime
- **Easy:** Standardised IO-Link installation saves time and resources
- **Flexible:** Individual control of up to 30 doors possible



 **IO-Link**



Safety fence

Electric Lifting Gate – the modern solution for AGV and material locks

Fully electric lifting technology with integrated safety, plug & play commissioning and I/O Link or PROFI-safe connection. Energy-efficient, quick and safe – ideal for automated material flow and intralogistics.

- Fast cycle times & energy-efficient operation
- No risk of entrapment or shearing
- Fully powered by electricity – no pneumatic system required
- Plug & Play with Fusion distribution box
- Compact design, compatible with SSP safety fence



 **IO-Link**

Aluminium profile 44 × 16,5 mm – flexible retrofitting

- **Easy mounting:** directly on the filling – without additional mounting plates



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