# Press release

# Precisely positioned by bar code

The FBPS 600i safety bar code positioning system from Leuze is now also available with PROFIsafe interface. This makes safety features particularly easy to implement.

*Owen, September 1, 2025 –* Leuze now offers the FBPS 600i safe bar code positioning system in an additional model with PROFIsafe interface. The interface allows users to connect the device directly to a safe PLC – allowing a particularly compact design and simplifying installation. Alternatively, the safety bar code positioning system is still available with two SSI interfaces. Both models are suitable for applications up to Performance Level e, for example for the exact positioning of cranes including stacker cranes. A key advantage of all device models is that they reliably detect positions using just one sensor. System operators thus benefit from significantly lower integration and maintenance costs.

**Direct PLC integration**

The PROFIsafe interface allows users to integrate the FBPS 600i safe bar code positioning system directly into a safety control. This device model also has a non-safe SSI interface. This allows a connection to the frequency inverter, which controls the stacker crane or similar machine. The PROFIsafe model also offers a safe speed output function. Parameterization can be conveniently carried out either through the hardware manager using a GSDML file or directly via the frequency inverter’s configuration settings. Another advantage: Thanks to the integrated switch, multiple devices can be connected in series using a linear topology, if needed.

**Slanted scanning beam for maximum reliability**

The FBPS 600i safe bar code positioning system is exceptionally reliable. It is installed on the stacker crane, transverse transfer car or crane. A robust, UV-resistant bar code tape is affixed opposite. The FBPS 600i captures multiple codes with each scanning process. The software then uses the codes to determine highly accurate position values. Leuze has designed the positioning system so that the scanning beam is angled at a slant – as a result, it scans each code at different points as it moves. This prevents reading errors caused by local soiling or damage. An additional advantage is the short error response time of 10 milliseconds, which allows use even on very fast stacker cranes.

**One screw is enough**

Installation is made easy by the wide working range of 50 to 170 millimeters and the clever fastening system. The device is securely attached to the clamp bracket with just one easily accessible screw. This means that the FBPS 600i can be quickly replaced when servicing is required.

Characters: approx. 2,624  
   
Please send a sample copy.  
Interviews available upon request.

**Image material**

**Ein Bild, das Text, Gerät, Kamera enthält.

Automatisch generierte Beschreibung**

Figure 1: The Sensor People from Leuze now offer their FBPS 600i safe bar code positioning system in a model with PROFIsafe interface.

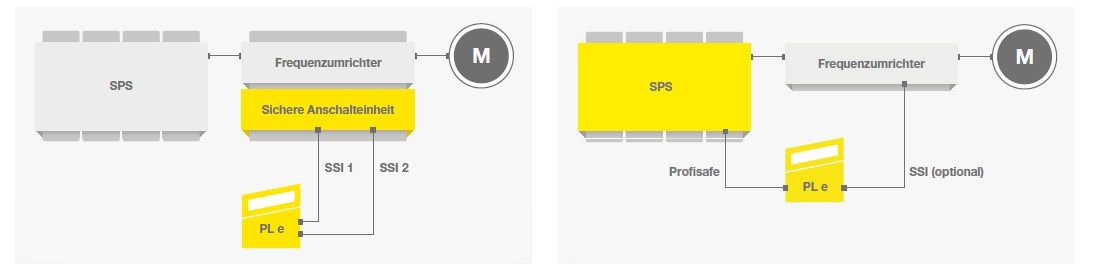


Figure 2: Flexible in use: The FBPS 600i can be connected either via two SSI interfaces to a safe evaluation unit (left) or via a PROFIsafe interface directly to a safe PLC (right).



Figure 3: The oblique path of the scanning beam and the movement of the device ensure that each code is scanned at different points. This prevents reading errors caused by local soiling or damage.

*With over 60 years of experience, Leuze has become an expert in innovative and efficient sensor and safety solutions in automation technology. Today, around 1,600 Sensor People worldwide use curiosity, passion and determination to drive progress and change. Their motivation is the lasting success of their customers in a constantly changing industry. Leuze offers its customers an individual competitive advantage through intuitive and reliable solutions for safe and non-safe position detection. For example, switching and measuring sensors, identification systems, solutions for data transmission and image processing. As a family-owned company and safety expert, the company also focuses on components, services and solutions for occupational safety. Thanks to their broad and in-depth application expertise in the machine and system construction, the Sensor People are a competent and flexible partner for customers with a wide range of industrial requirements.* [www.leuze.com](http://www.leuze.com)

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