

## PRESS RELEASE

### More usage options – fewer costs

#### New versions of the Safety Fieldbox from Schmersal for additional fieldbus systems

**Wuppertal, 27 July 2023.** Schmersal is launching two new versions of its Safety Fieldbox. This means that the box can not only be integrated into systems with PROFINET/PROFIsafe as before, but is now also be available for the EtherNet/IP with CIP Safety and EtherCAT with FSoE bus systems.

The benefit: the designer can now plan the safety functions of a machine in a project regardless of the fieldbus system that is used, as the three versions together cover the most commonly used control systems worldwide.

The Safety Fieldbox from Schmersal enables flexible safety solutions, fail-safe and fast installation and maximum process transparency. It also enables easy connection of up to eight safety switchgear devices with plug and play. Universal device interfaces for eight-pin M12 connectors allow a wide range of different safety switchgear devices to be connected, including electronic and electromechanical solenoid interlocks, sensors, control panels, light curtains and switches.

Unique features of the Safety Fieldbox from Schmersal include the need for just a single M12 slot for solenoid interlocks and safety light curtains and the connection of control panels with EMERGENCY STOP function and up to three non-safe command and signalling devices.

Connecting safety devices via the Safety Fieldbox also helps to save costs, as up to eight devices can be connected to a single Fieldbox, which is much more cost-effective than equipping each individual device with a bus interface.

An integrated digital input on each device slot allows the diagnostic signals of all connected safety devices to be evaluated. This means that safety-related and operational signals, such as those required for diagnostic purposes, can be collected and transmitted. The user can use this information to detect irregularities, e.g. a safety guard that has been moved, and enable prompt intervention if service is deemed necessary. This helps to improve system availability and minimise the risk of downtime. Users can also benefit from greatly simplified, and therefore more cost-effective, wiring of safety devices.

**Photo in print quality for download:**

[https://products.schmersal.com/media/images/PHO\\_PRO\\_PRE\\_ksfb-f26\\_SALL\\_AINL\\_V1.jpg](https://products.schmersal.com/media/images/PHO_PRO_PRE_ksfb-f26_SALL_AINL_V1.jpg)

**Image caption:**

The Safety Fieldbox from Schmersal can now be integrated into systems with PROFINET/PROFIsafe fieldbuses, EtherNet/IP CIP Safety and EtherCAT FSoE.

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### **About the Schmersal Group**

The Schmersal Group is an international market and expertise leader in the challenging field of machine safety. With the world's most comprehensive range of safety switchgear products, the Schmersal Group develops safety systems and solutions for special requirements in a variety of user industries. Schmersal's tec.nicum business division offers a comprehensive service portfolio to complement the range of solutions offered by Schmersal.

Founded in 1945, the company is represented by seven manufacturing sites on three continents with its own companies and sales partners in more than 60 countries. The Schmersal Group employs more than 1900 people worldwide.

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