

THE

GATEKEEPER

Man-Machine Safeguarding News

June 2014

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Reference



GK-1 Catalog

New for 2014, the eleventh edition of our main Machine Guarding Safety Products catalog. 230 pages.

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New book

SCHMERSAL Industry Solutions

For almost 70 years Schmersal has been a leading force in the innovative design and manufacturing of machine safe guarding products. The range in product development over the years includes mechanical keyed interlocks to electronic safety sensors and safety PLC's. The Schmersal portfolio contains over 25,000 products designed to meet the vast requirements across the many different industrial markets.

We realize that in almost every field of work or industrial application there are in many cases specific conditions that should be considered when selecting safe guarding products. By understanding this Schmersal has now developed industry specific solutions. We have prepared a series of industry guides to provide an easier means for customers to select the most appropriate product for their application and industry.

Food

Switches used in food handling and processing, pharmaceutical, and medical industries have special requirements for hygiene and resistance to extreme temperature ranges, humidity, moisture, and chemical cleaners. Many products designed for this industry are IP69K rated and ECOLAB approved. [More](#)



Packaging

Machines used for filling, packing and palletizing need switches that are reliable and durable to withstand the high performance and high pace applications. Products for this industry generally feature LED diagnostic indicators for easy troubleshooting of faults to minimize down time. [More](#)





Machine Safety in Europe

Our latest book examines European machine safety standards and communicates the basic principles of machine safety at an international level. Hardcover.

[Order a complimentary copy](#)

Video

Webinar



New
Equipment
Digest

MACHINE
Design

Safety Webinar on demand

If you missed our webinar on the common thoughts and practices in machine safety which was presented in April, a recording is now available to view on demand.

[View the Webinar](#)

Contact Us

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[Online Product Catalog](#)

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Elevators & Escalators

Our comprehensive selection of elevator and escalator switches can offer manufacturers a large variety of switchgear and switching systems, which meet worldwide directives and standards. We also offer customized switchgear for special applications.

[More](#)



Heavy Industry

Our company was founded on the production of robust switchgear designed to withstand the extreme temperature ranges and high mechanical stresses inherent in heavy industry. Since then we've extended our program to include GL, IECex, and ATEX compliant system components.

[More](#)



Machine Tools

Machine tool processes demand high productivity and safety guards which should not interfere with those processes. We offer a wide range of switches that are tamper resistant, offer quick troubleshooting of faults, avoid unnecessary process interruption, and provide safety during various operation modes or speeds.

[More](#)



Wood Working

Like with other automated process, wood working machines require reliable safety systems that don't interfere with processes. Here switches also have to be durable and sealed to withstand wood dust. As saw dust can create combustible atmospheres, ATEX rated products are also offered.

[More](#)

While these products are not limited for use only in these specific industries, the information provided can be used as a guide to assist the user in selecting a product that has been designed for use in a specific application or industry where certain requirements are needed. This is only one of the ways Schmersal can help provide the best solution to assist in providing improved machine safety at your facility.

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Ask The Expert

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Q: Are there specific safety standards to be followed in specific industries?

A: Some industries have specific requirements to follow.

For example, the food industry requires hygiene compliant devices, woodworking machinery requirements can be found under OSHA 1910.213 and elevator & escalator industry requirements can be found under ASME A17. However, machine types can overlap industries, such as robots and robotic cells, whose requirements fall under ANSI/RIA15.06 or a mechanical power press whose requirements fall under OSHA 1910.217.

Ultimately, if an industry specific standard is not provided, a general machine type standard typically is, starting with basic machine safety concepts as in ISO 12100.