

26.06.2025

Press Message

Pilz GmbH & Co. KG  
Felix-Wankel-Straße 2  
73760 Ostfildern  
Germany  
<https://www.pilz.com>

## **New edition of ISO 14119 describes the state of the art - Normative guidance for safety gates**

Ostfildern, 26.06.2025 - **ISO has published a new edition of ISO 14119 "Safety of machinery - Interlocking devices associated with guards". The established standard sets out principles for the design and selection of safety gate systems. The requirements for accessible safety gates have now been specified. Design engineers should familiarise themselves with the new features early, so as to guarantee their machines are also CE-compliant in the future.**

ISO 14119 has classified interlocking switches and regulated the specifications for installing guards since 2013. The new, third edition of ISO 14119:2024 specifies the procedure for safeguarding accessible gates: if there is a risk that machinery will start up unexpectedly, devices such as a manual reset function or presence detection devices must be present. There should also be suitable means for escape and emergency release.

Specifically, the new edition requires the use of key transfer systems and the series connection of electromechanical contacts (number of devices that can be connected in series), in order to increase the safety of accessible safety gates. The two subjects were previously described in ISO TR 19837 (interlocking systems) and ISO TR 24119 (series connections). These new features now form part of ISO 14119, in the new Clause 6.3.

### **New standard means automatic safety**

"The new version has not yet been published in the Official Journal of the EU. However, there will be no more changes to the content of the new version," explains Jan Franck, member of the standards team at Pilz GmbH & Co. KG. The automation company was involved in developing the new edition.

"We therefore recommend that you now use ISO 14119:2024 as a basis for designing safety gates, as it represents the current state of the art. That way you're automatically on the safe side," advises the Pilz expert. With its safety switches and safety locking devices, Pilz will meet the requirements of the new edition. As a result, the company supports design engineers who develop systems that are standard-compliant and future-proof.

- [Further information on safety locking devices from Pilz is available here](#)



**Caption:** ISO 14119 specifies the design principles for the safeguarding of safety gates with interlocking switches. Now there is a new version of the standard. (Photo: © Pilz GmbH & Co. KG)

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/246215>

### **Pilz - The Spirit of Safety**

Pilz is a global supplier of products, systems and services for automation technology. As a pioneer of safe automation, Pilz creates safety for human, machine and environment. Founded in 1948, today the family business with its head office in Ostfildern is represented worldwide with 2500 employees in 42 subsidiaries and branches. The technology leader offers complete automation solutions for Safety and Industrial Security on the machine. These include sensor, control and drive technology - as well as systems for industrial communication, diagnostics and visualisation. An international range of services with consulting, engineering and training completes the portfolio. Pilz solutions are used in many industries beyond mechanical engineering, such as intralogistics, packaging, railway technology, or the robotics sector for example.

### **Pilz in social networks**

In our social media channels we give you background information concerning the company and the people at Pilz, and we report on current developments in Automation Technology.



<https://www.facebook.com/pilzINT>



<https://www.youtube.com/user/PilzINT>



<https://www.linkedin.com/company/pilz>

### **Contact for journalists**

Martin Kurth  
Corporate and Technical Press  
+49 711 3409 - 0  
[publicrelations@pilz.com](mailto:publicrelations@pilz.com)

Sabine Karrer  
Technical Press  
+49 711 3409 - 7009  
[s.skaletz-karrer@pilz.de](mailto:s.skaletz-karrer@pilz.de)