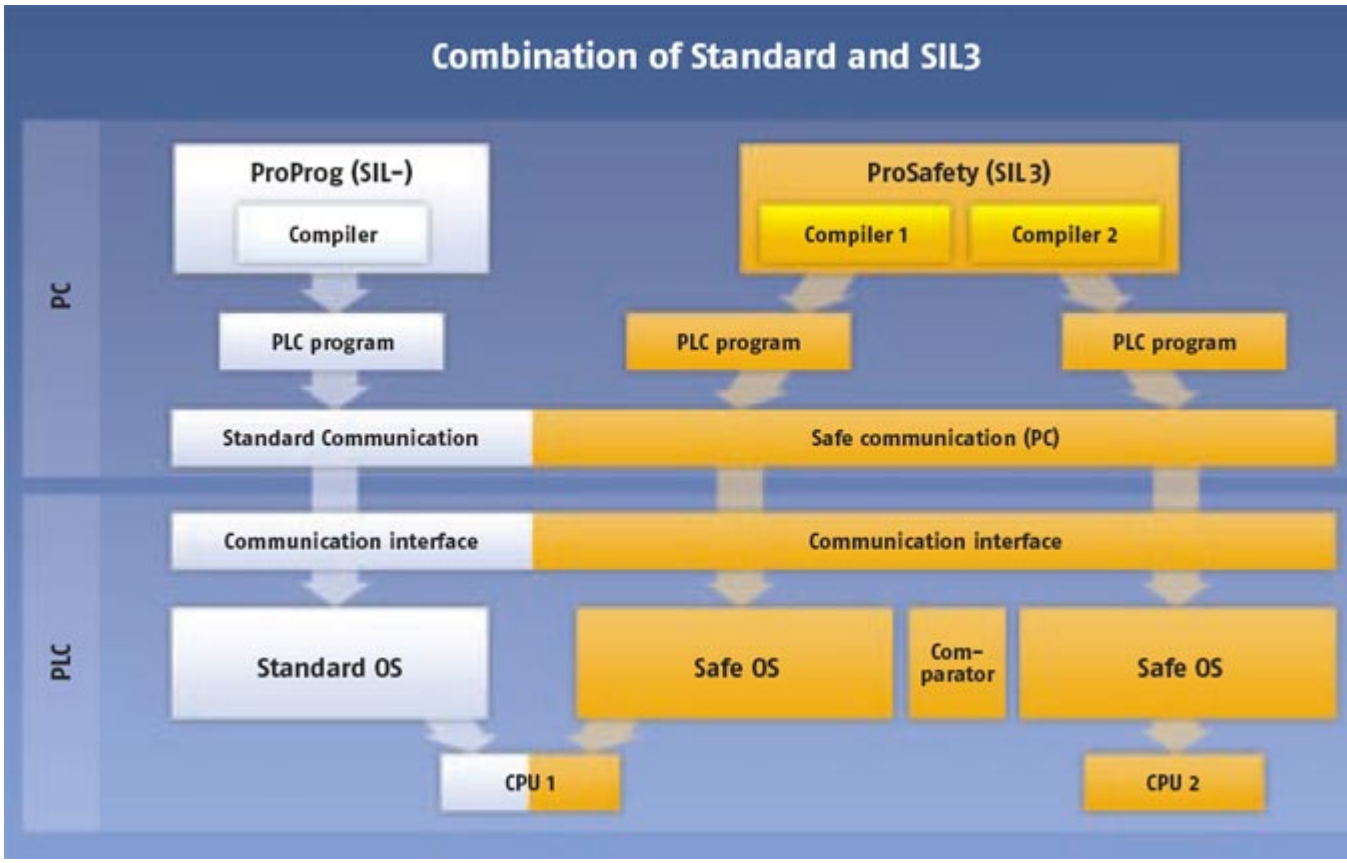
Integrated safety technology ensures that technical failure, incorrect use or manipulation no longer pose a threat to the production process and safety of employees.

In addition to increasing safety, the productivity of the system is also raised. Safety systems exhibit greater availability than comparable standard systems. Thus the built-in diagnostic functions and safe operation of the machine by the employee can contribute to the early detection and elimination of production faults and failures. This prevents costly system downtimes.



In addition to the safety aspect, the b maXX-safePLC is also characterized by the way in which it reduces complexity. This is achieved by eliminating the need for complicated wiring, reducing the number of wires involved, and minimizing the inspection effort required.

Integrated safety controls often make multicoupled units completely superfluous to requirements.Therefore, the combined Standard/SIL3 safety control not only reduces the complexity of your system or machine and ensures safe operation, it also offers a cost benefit compared to conventional solutions.

Technical data b maXX-safePLC

32-bit RISC CPU 667 MHz
Combination of Standard and SIL3
CPU capacity: Standard/SIL3 assignment can be parameterized (e.g., 60% / 40%)
Standard: 25 µs/1 K instructions

Safety Input

The safety input bus terminal is a digital input terminal for sensors with zero-potential contacts for 24 V DC. The bus terminal features four fault-proof inputs and fulfills the requirements of IEC 61508 SIL 3 and EN 954 Cat. 4.

Safety Output

The safety output bus terminal is a digital output terminal with four channels. It switches 24 V DC actuators with up to 2 A total current. If the bus terminal detects a fault, it switches off automatically (fail stop) and thus fulfills the requirements of IEC 61508 SIL 3 and EN 954 Cat. 4.