



Standard STO functionality available, as per PL e and SIL 3

While you can still settle for the EN 954-1 standard, you no longer need to, thanks to the ServoOne and c-line DRIVES. Or would you still buy a car without an airbag today?

New safety standards have become valid with the introduction of the new machinery directive. It is true that the extension of the presumption of conformity with EN 954-1 also makes it possible to continue providing the previous safety solutions. However, every machine manufacturer will have to carry on developing innovative state-of-the-art concepts that will still apply, even once the presumption of conformity has expired.

Risk assessment may provide contradictory results, depending on the type or version of machine involved. For instance, frequent operator intervention in the danger zone can turn an SIL 2 requirement into an SIL 3 one. This makes it even more important for the machine manufacturer to adapt to customer wishes. Contrary to some market analyses, practice shows that more and more users than originally thought want to use SIL 3 certified components. However, economic solutions are often missing.

To ensure that machine manufacturers have the highest flexibility possible, LTI has included STO functions according to SIL (PL e) in the c-line drives und ServoOne series. This way, depending on the customer wishes, every safety level is implemented according to the new standards.

Applications in which STO functionality is insufficient can be easily optimized or extended with the aid of the optional safety technology in ServoOne or the SMC1 external safety control system. Of course, value has also been placed on providing a safety solution that is as customer-oriented as possible, as per SIL 3 (PL e) classification.

Thanks to the simple wiring of the STO-function and the freely programmable Safe PLC, innovative, flexible and yet economical machine safety solutions can be generated in next to no time, and easily adapted to customer requests. LTI's safety features provide the right solution for every machine - with the highest safety levels.

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