

Product extensions

Functional safety
Safety module



Functional safety

Safety module

Integrated safety provides the conditions to optimise the safety functions. In comparison to the use of standard safety engineering, integrated safety increases machine functionality and availability. Planning and installation expenditure is reduced.

The integrated safety system can be used for the protection of persons working on machines in accordance with the Machinery Directive.

The safety module serves to use the "safe torque off" (STO) safety function.

The motion functions are continued to be executed by the inverter. The integrated safety system monitors the safe compliance with the limit values and provides the safe inputs. If monitored limit values are exceeded, the integrated safety system starts control functions in the inverter according to EN 60204–1 to counteract possible errors.



Detailed information can be obtained from the "Functional safety" planning manual.



Safety module	
Order code	Version
I5MASAV000000S	STO (Safe torque off)