

## Description

At i9s we design **safety functions** in accordance with the requirements of the current standards for **Performance Levels (PL)** or **Safety Integrity Levels (SIL)**.

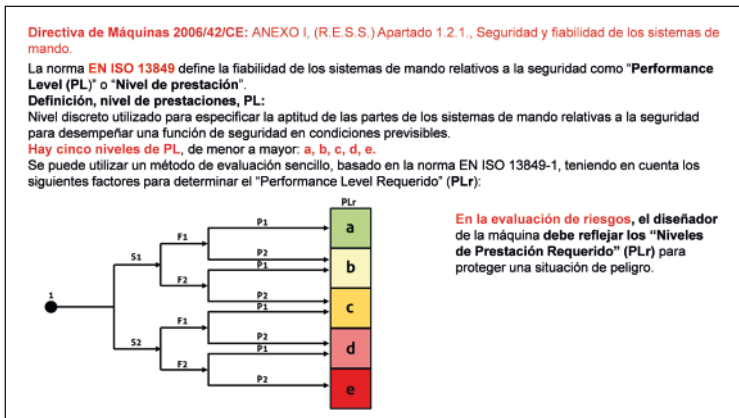
## Specifications

The following standards indicate the requirements of the safety functions:

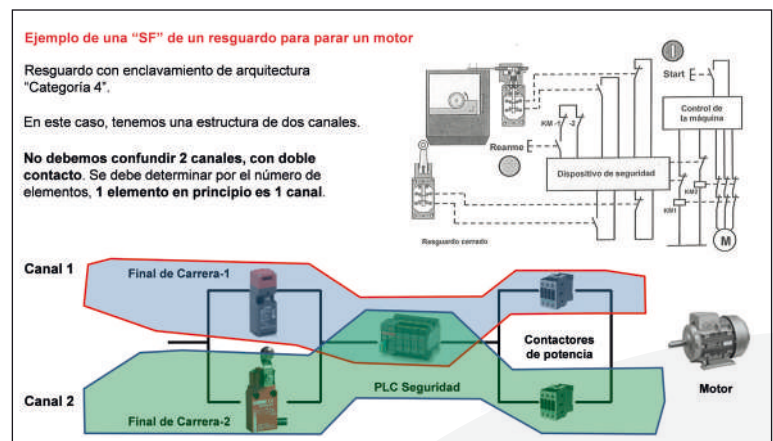
- **EN ISO 13849-1** *Safety of machinery. Safety-related parts of control systems. Part 1: General principles for design.*
- **IEC/EN 62061** *Safety of machinery: Functional safety of electrical, electronic and programmable electronic control systems.*
- **UNE-EN 61508-1 a 7** *Functional Safety of Electrical/Electronic/Programmable Electronic Safety-related Systems.*

## Examples

Some examples of safety functions are shown below:



PL risk assessment table



Example of a two-channel safety function

## Documentation

The documentation can be delivered:

- In PDF digital format.
- In Spanish. Other languages on demand.



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