

Inspection

Machinery Electromagnetic Compatibility Conformity



Description

Electromagnetic compatibility (EMC) is very important for a machine's reliability and performance, and for being able to validate safety functions, such as performance levels (PL) or Safety Integrity Levels (SIL).

i9s verifies the EMC of the machine by means of good wiring practices.

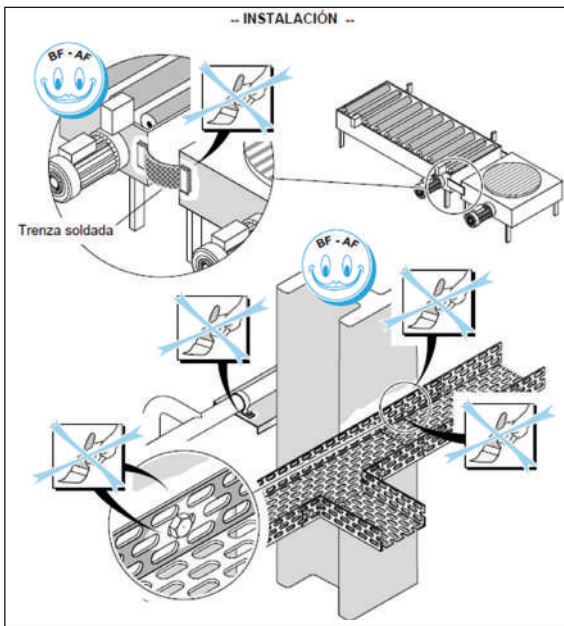
Specifications

The inspections are based on the following Directives and standards:

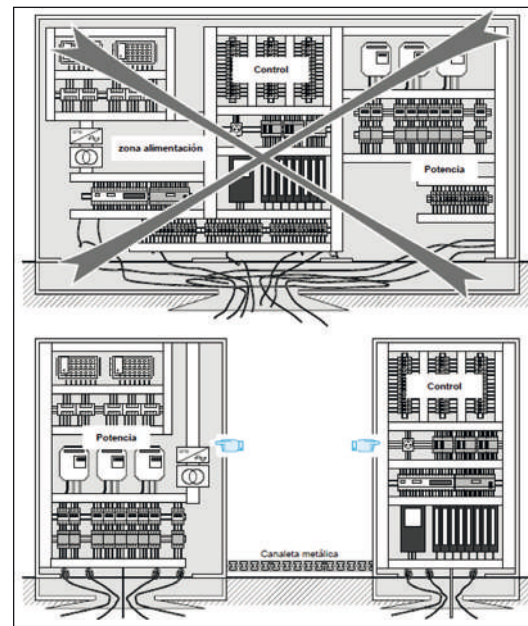
- **2014/30/EU** Electromagnetic Compatibility Directive.
- **EN 61000-6-2** Electromagnetic compatibility (EMC). Part 6-2: Generic standards. Immunity in industrial environments.
- **EN 61000-6-4** Electromagnetic compatibility (EMC). Part 6-4: Generic standards. Emission standard for industrial environments.

Examples

Examples are shown below:



Interconnections of groundings in the installation



Example of switchgear in a control cabinet

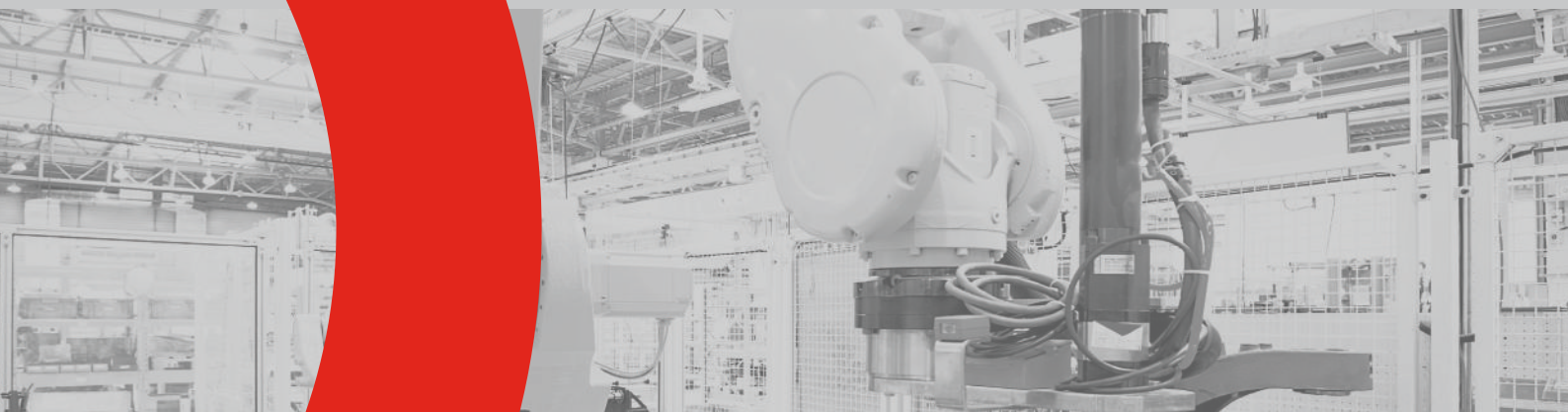
Scope of the inspection

Specific checklists.

Documentation

The following is delivered with each inspection:

- A PDF format inspection form.
 - A list of possible Non-Conformities found.
- (In Spanish. Other languages on demand.)



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