

8.23.2 Tag numbering

Individual signals and components are identified by means of tag numbers.

Tag numbers must be unique and matching main station software as well as in electrical installations and documentation.

8.23.3 Emergency control

The contractor must analyse any risk and effects of any failures of the system. The automation shall react in an appropriate way of any failure such as:

- Missing/bad signal from a transmitter
- Failure in a component

If appropriate, an emergency control for a function should be developed.

8.23.4 Group control

The group start object is a standard routine handling start/stop of a group of objects. (Ex. a pumping station includes all pumps, level meters, and automatic control)

8.23.5 Motor routine 1

The object is a standard motor routine handling motors with one direction.

The object can be in 3 different modes:

- Auto
- Operator (from operator station)
- Manual (from local panel)

It handles the following input signals or communication:

- Auto
- Thermal Faults
- Moisture faults (if available)
- Safety switch
- Emergency stop
- Actual current (motors with frequency and soft starter)
- It handles the following output:
- Start contactor

A global function shall prevent more objects to start at the same time.

The fault inputs will make the object go into fault. The actual fault will be indicated on the CMSsystem until the object is reset or as long as the fault is active.

The object supervises that a running signal is coming within a specific time after a start command has been given. If the running signal is not present before the time has elapsed the object will go into fault and the supervision fault will be indicated. The function works both ways, i.e. if the running signal is present when the start command is zero.