



**Sensors**



**Switches**



**Controls**

## Application notes



**Application Note : February 2020**

**Market involved : Industrial automation**

**Product : SMS31 or SMSA31/ MC36xx or SMSxx**

**Customer : -**

**Subject : Safety sliding gates with safety magnetic switches**

### CUSTOMER ISSUE :

Hazardous areas have to be protected from access when the machine is in operation.

Safety magnetic switches are installed on multiple gates to monitor the safe closing position of access gates before starting the operation of the machine.

### OUR SOLUTION :

The SMS31 or SMSA31 module monitors the signals from the safety switches and enables the safe operation of the machinery when the gate is closed and the manual start has been activated.

The SMSA31 monitors the status of the safety inputs in an anti-valent operation (1NO signal switching to close + 1NC signal switching to open).

### BENEFITS :

- Safety protection of the area and a required step to comply with Machine Directive 2006/42/EC