



Sensors



Switches



Controls

Application notes



Application Note : February 2020

Market involved : Industrial automation

Product : SMS31 or CM22D0A, ES1xxE

Customer : -

Subject : Safety gates with electromechanical interlocks

CUSTOMER ISSUE :

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

Access to the area is only permitted when the machinery is not in operation.

OUR SOLUTION :

The SMS31 monitors the emergency stop signals and controls the interlock (electrically interlocked), to lock or unlock safety gates.

Upon the activation of the E-stop, the SMS31 will switch off the safety outputs releasing the safety interlock and allowing for access in to the hazardous area.

Should the machine operate with high inertia motors/actuators or should the protected area require some time for stopping the machine to a safe situation, the CM22D0A with delayed outputs should be used instead of the SMS31.

BENEFITS :

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