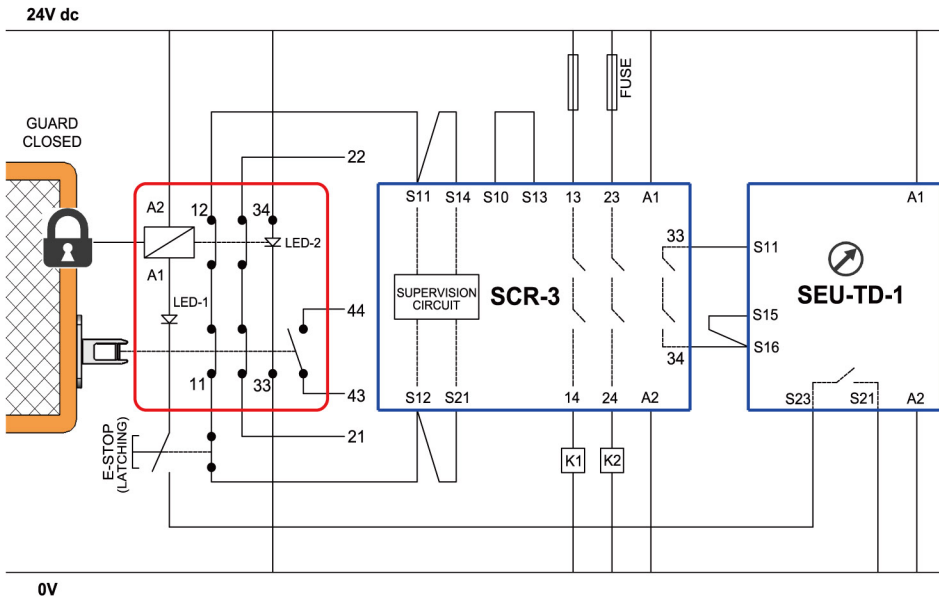


Application Examples - Tongue Switches



Solenoid Locking Guard Switch and E Stop - Single Channel monitored with time delayed guard opening.

For systems requiring run down after activating a stop, a time delay can be added by connecting the delayed output from an SEU-TD-1 to the solenoid feed.

The output contacts 33-34 of the SCR-3 provide the input to the SEU-TD-1. Pressing the E Stop causes the SCR-3 contacts to open immediately and isolate power to contactors K1 and K2.

Also the input to the SEU-TD-1 will be opened and activate the pre-set time delay contacts. Only when the set time delay has lapsed will the SEU-TD-1 allow power to the solenoid and enable the guard to be opened.

Providing that the guard is closed and locked and the E Stop is reset the machine will start when 24V.dc is applied.

Solenoid Locking Guard Switch – Safety PLC controlled.

The guard is locked until the solenoid is energised.

The PLC then issues an energise signal to the solenoid switch at A1. When the switch locking mechanism is released the monitoring contacts 11-12 are opened. These contacts are in series with the contactor K1 control circuit and will therefore prevent restart while the switch is in the unlocked mode.

If the guard is opened contacts 11-12 are open and will also prevent restart while guard is open.

