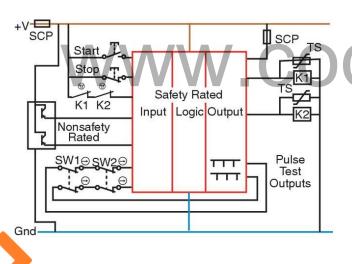
Siemens S7-1200

CPU 1212C AC/DC/Relay

PLC Safety Circuits

PLC Safety Circuits via Fuse, Emergency Switches and Fault Protection Relays



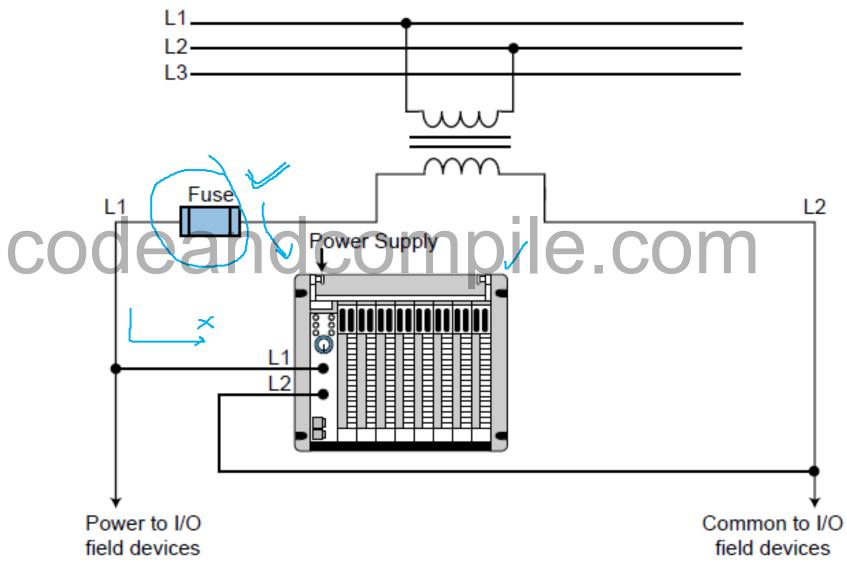
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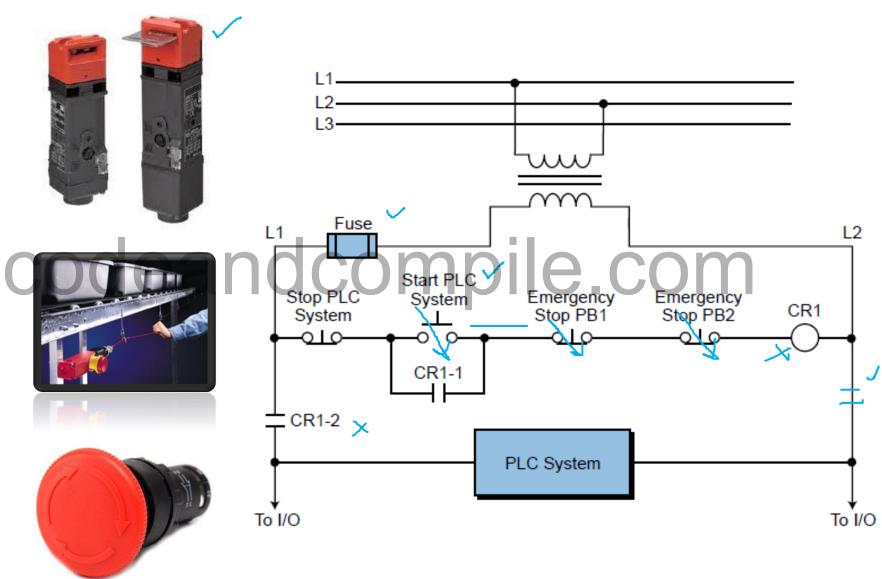
PLC Power Requirement





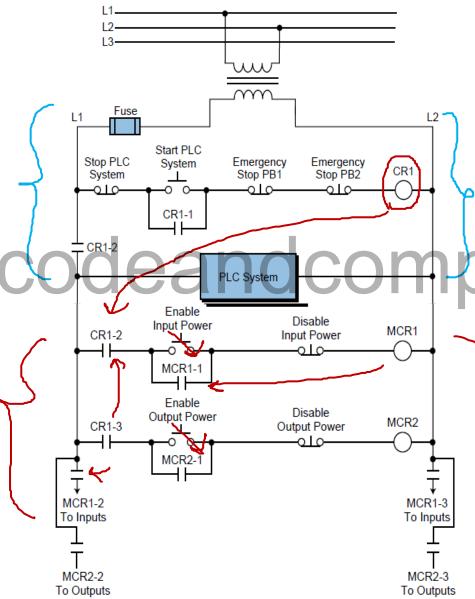
PLC Safety Circuits – FUSE & Emergency Switches





PLC Safety Circuits – Master and Safety Control Relays





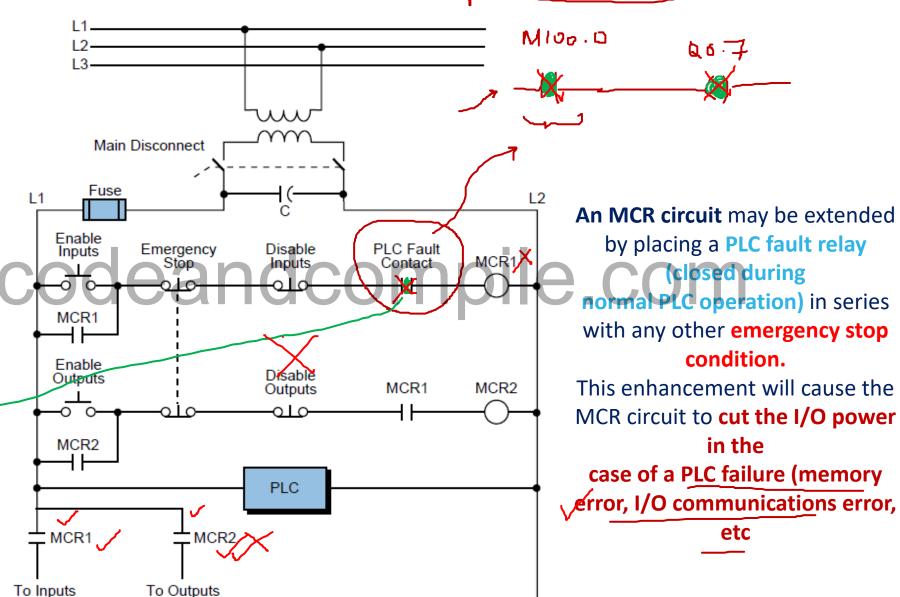
In this circuit we have used

Master control relays to isolate
the input and output power of
PLC.

Thus we can control the operation of Input and Output of PLC's independently and can shut these down in case of Emergency or Maintenance without needing to turn off the while PLC system

STREET

PLC Safety Circuits - Fault Contact Protection



What did we learn in this lesson?

To safeguard the PLC we can install Fuse, Safety switches or relays

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