

LOGICA DE CONTACTOS

FORMATO DE CARPETA

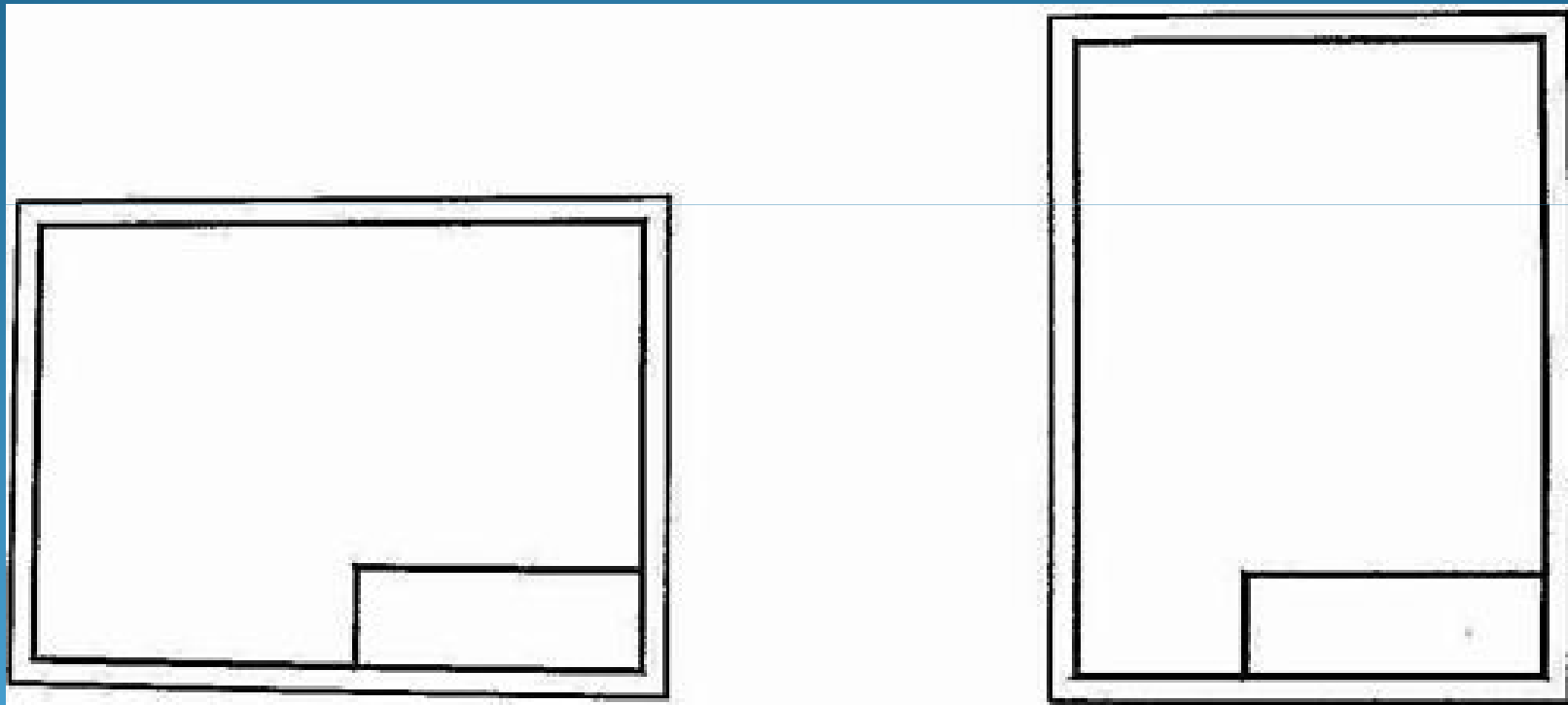


Diagrama de contactos

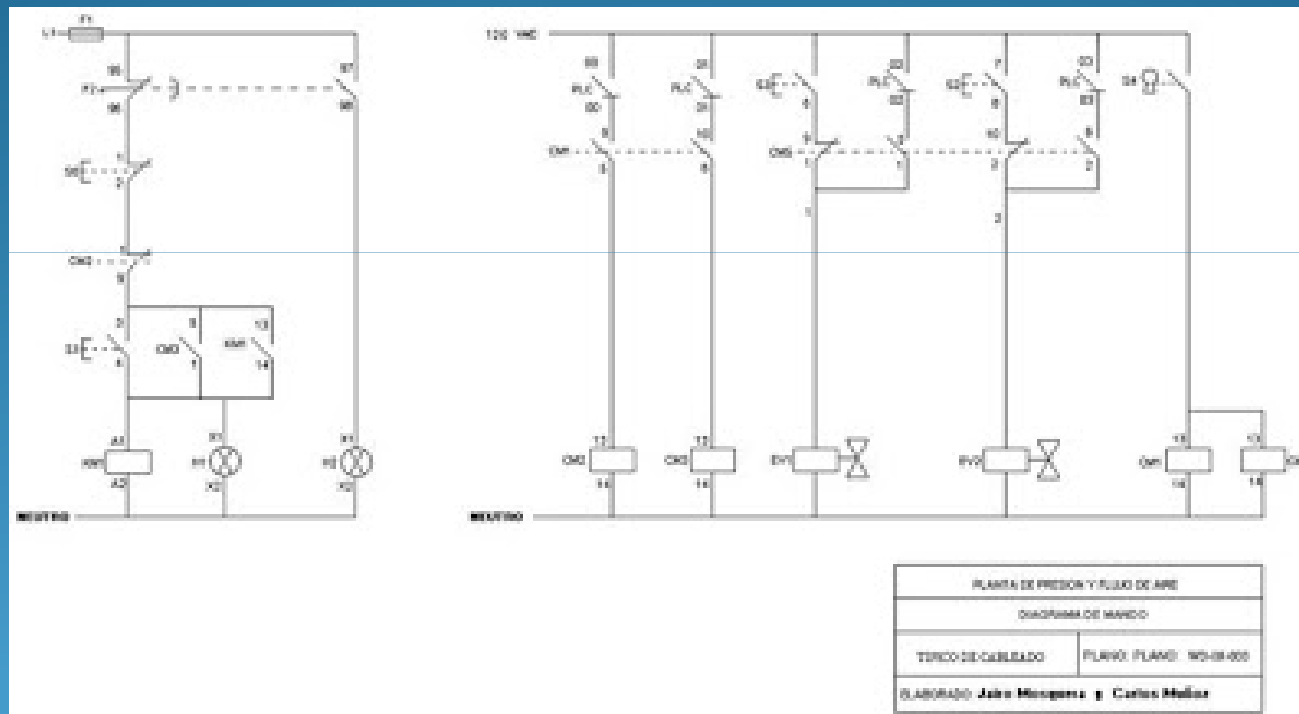
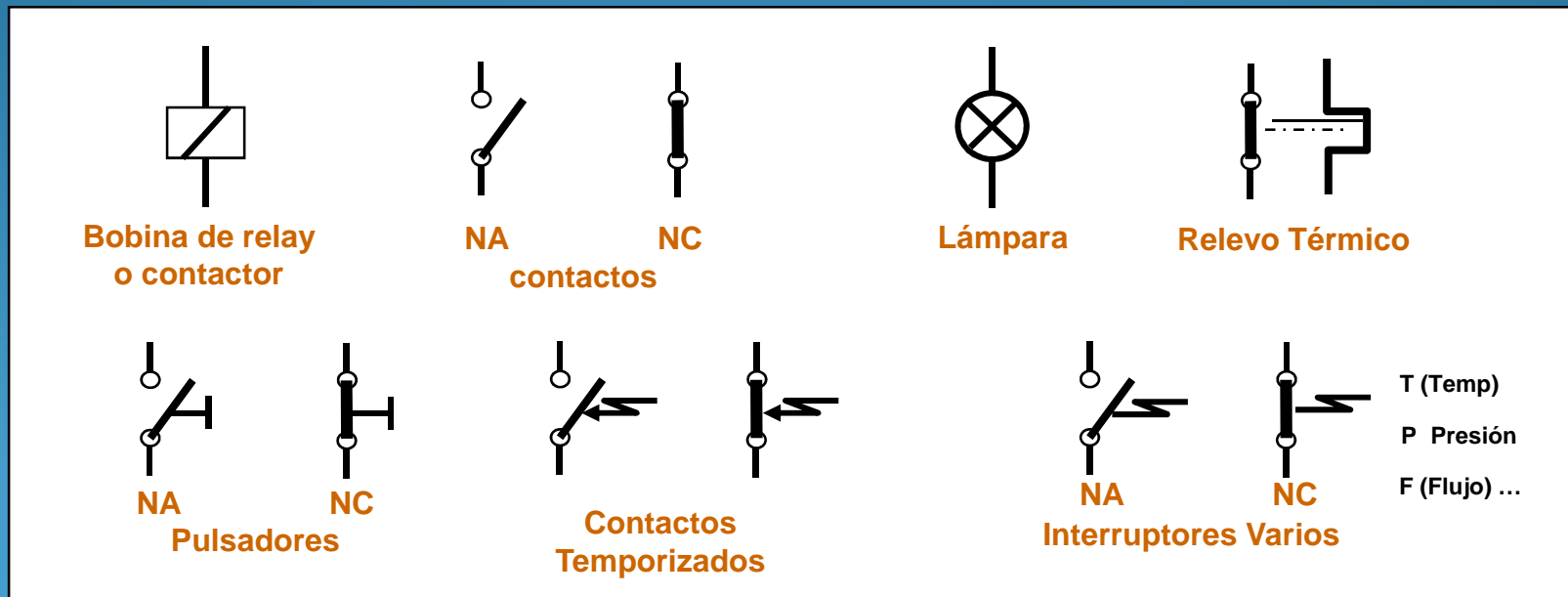
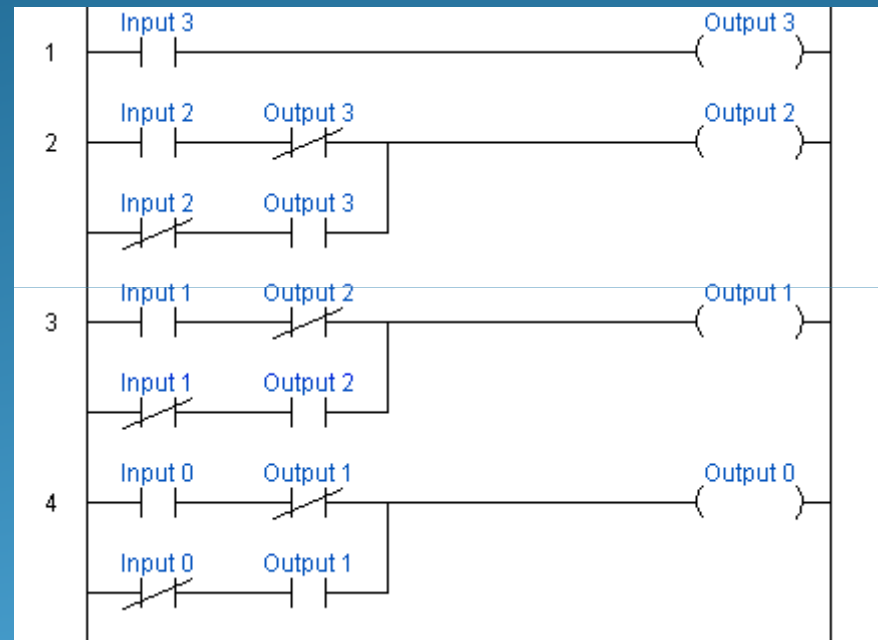


Diagrama de contactos

Elementos característicos



LADDER



LADDER

Elementos característicos

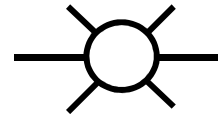


Bobina de relay
o contactor



NA
contactos

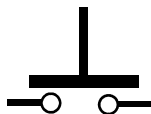
NC



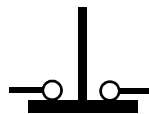
Lámpara



Relevo Térmico



NA
Pulsadores



NC



Contactos
Temporizados

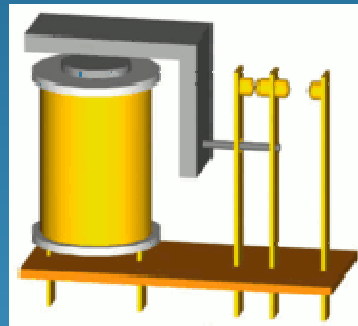


Interruptores Varios

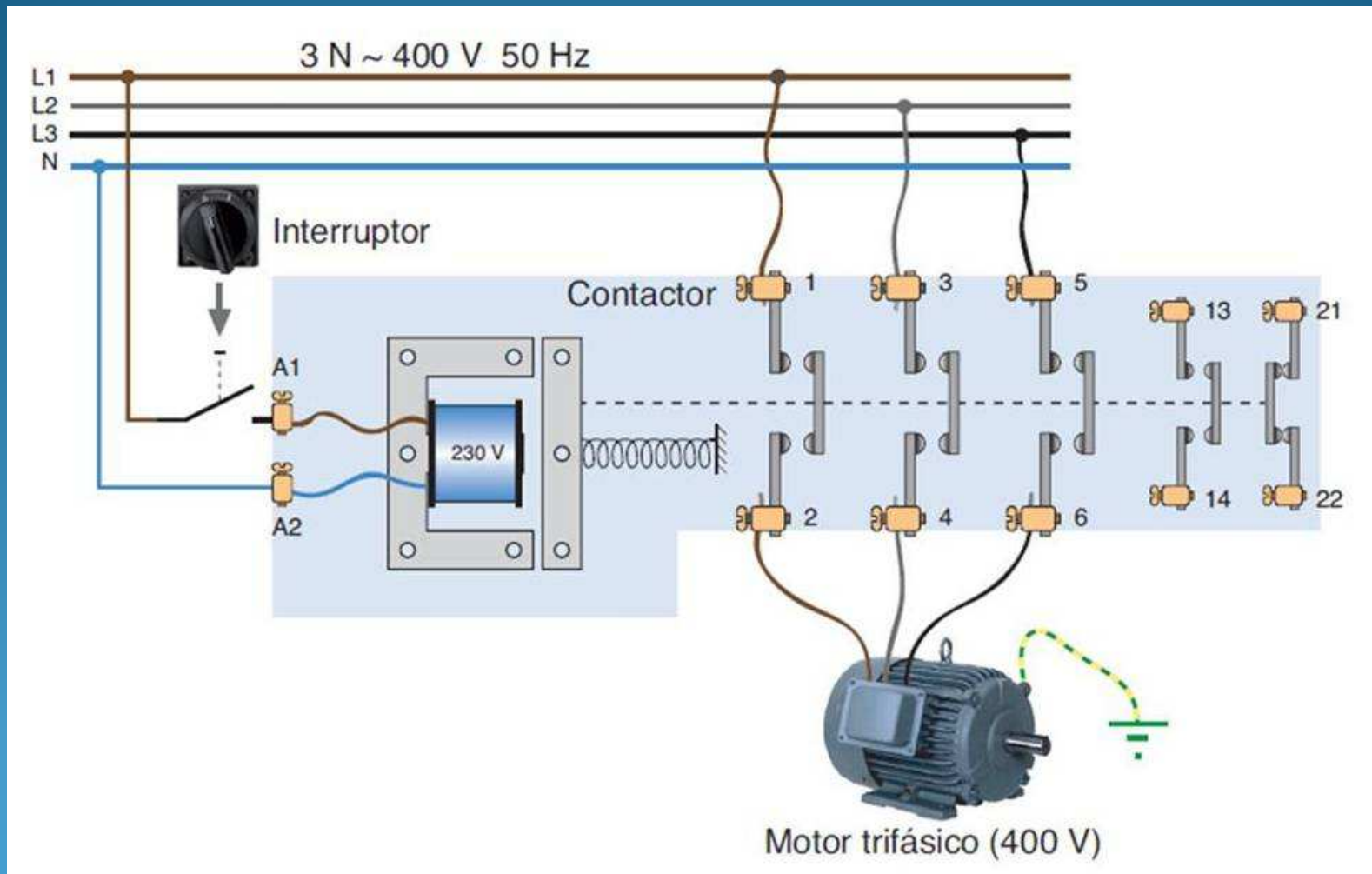
LOGICA DE RELE



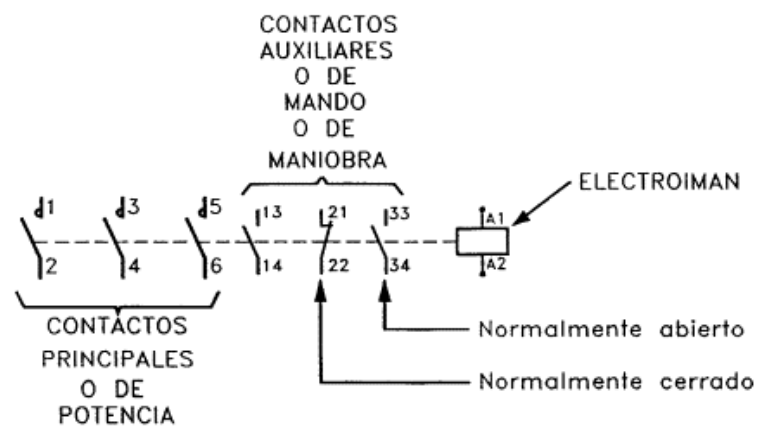
LOGICA DE RELE



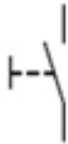
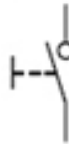
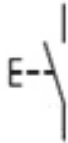
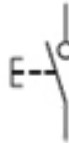



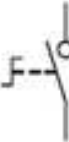
CONTACTORES











CONTACTORES



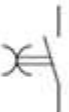





SIMBOLOS


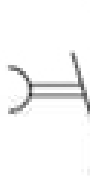




	Momentary- contact switch	Latching- type switch
Normally open contact, manually operated		
Normally open contact, manually operated by pressing		
Normally closed contact, manually operated by pulling		
Normally open contact, manually operated by turning		

SIMBOLOS

	Basic function	With automatic return	Without automatic return
Normally open contact			
Normally closed contact			
Changeover contact			

	Delayed actuation	Delayed release	Delayed actuation, delayed release
Normally open contact			
Normally closed contact			

SIMBOLOS

	Delayed actuation	Delayed release	Delayed actuation, delayed release
Normally open contact			
Normally closed contact			

SIMBOLOS

	Momentary- contact switch	Latching- type switch
Normally open contact, manually operated		
Normally open contact, manually operated by pressing		
Normally closed contact, manually operated by pulling		
Normally open contact, manually operated by turning		

SIMBOLOS

Relays

– Relay with three normally open contacts and one normally closed contact

– Relay with dropout delay

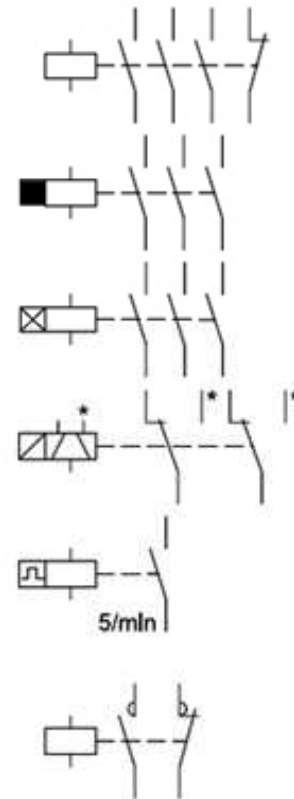
– Relay with pickup delay

– Retentive relay

– Flasher relay

Contactors

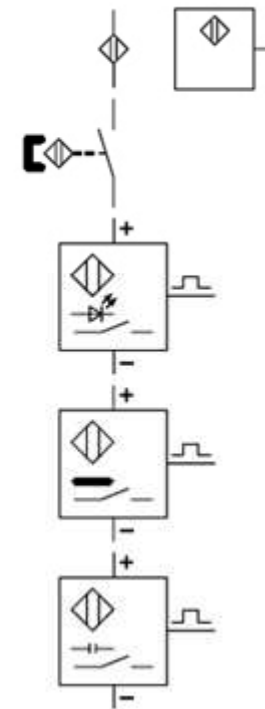
– Contactor with one normally closed contact and one normally open contact



SIMBOLOS

Proximity switches, proximity sensors

- Proximity sensor, proximity-sensitive device
- Proximity switch (normally open contact), actuated by magnets (standardized)
- Proximity switch, optical
- Proximity switch, inductive
- Proximity switch, capacitive



SIMBOLOS

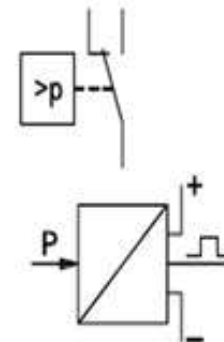
Limit switches

- Normally open contact
- Normally closed contact

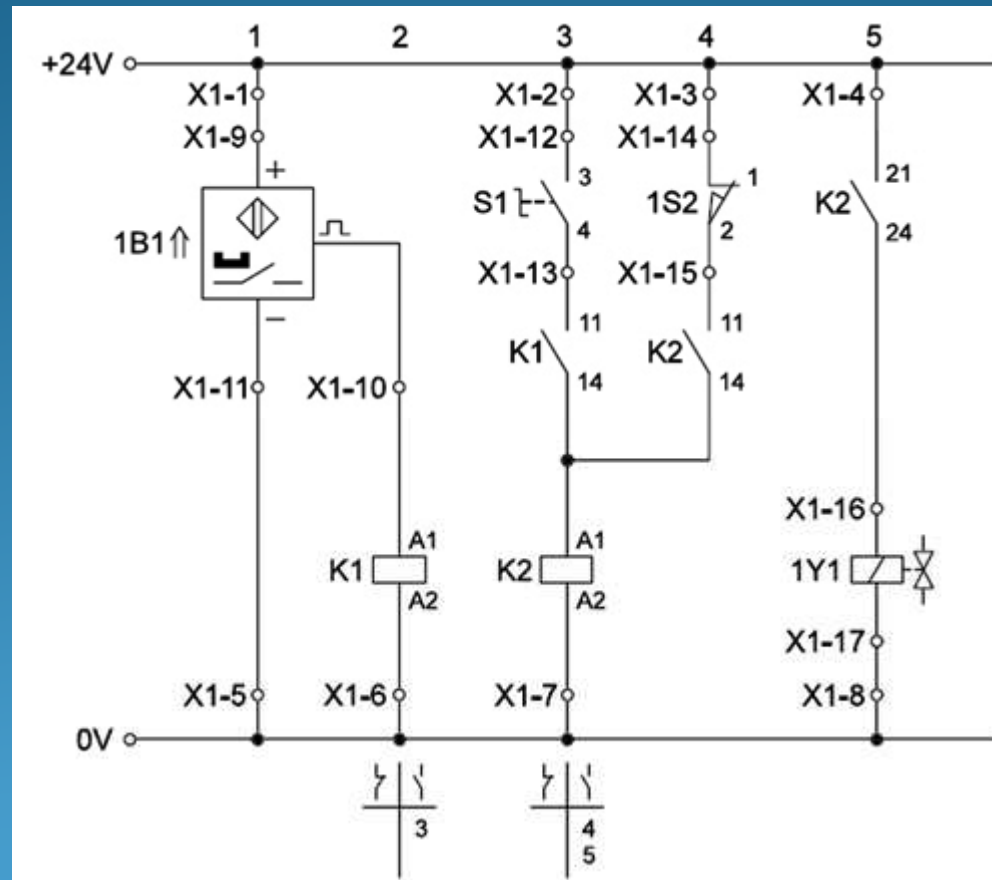


Pressure switches, pressure sensors

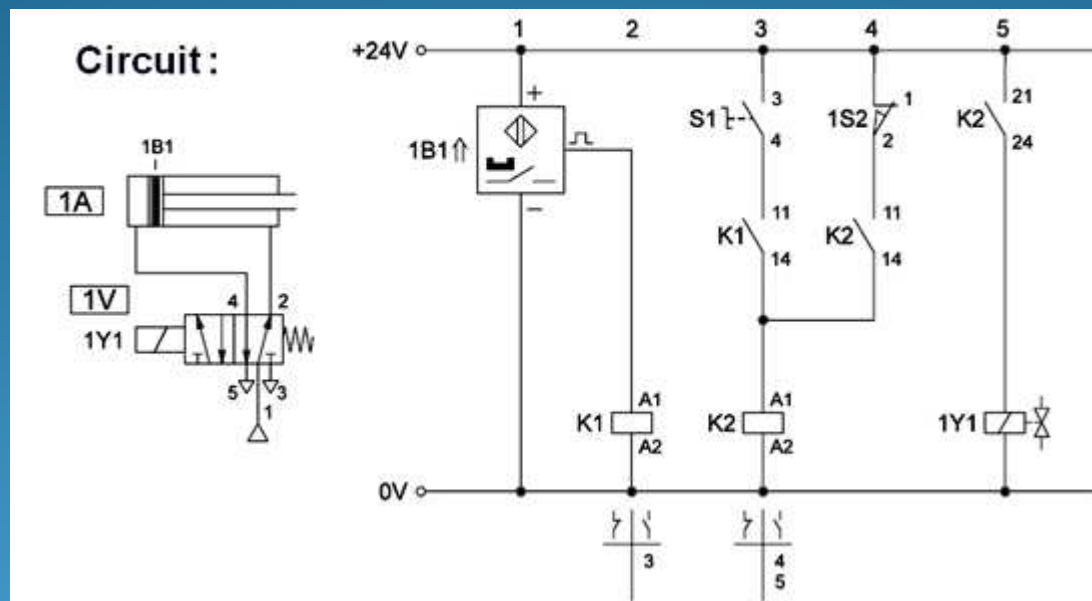
- Pressure switch, electromechanical
- Pressure switch, electronic



SIMBOLOS

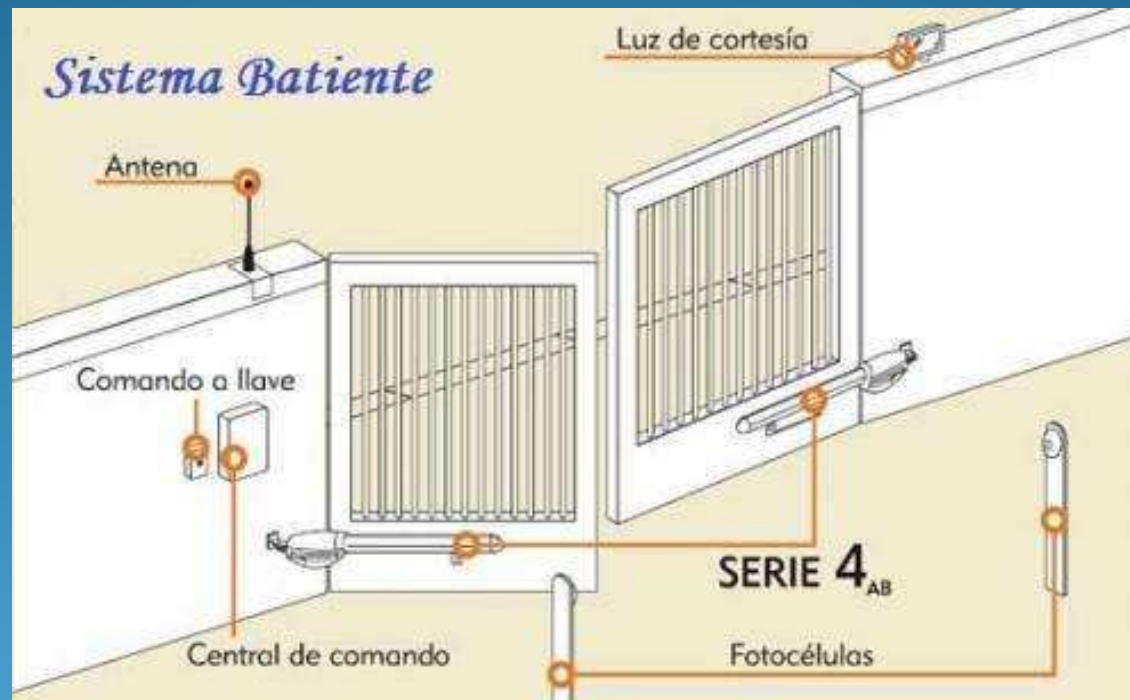


SIMBOLOS



PRACTICO 1

Portón

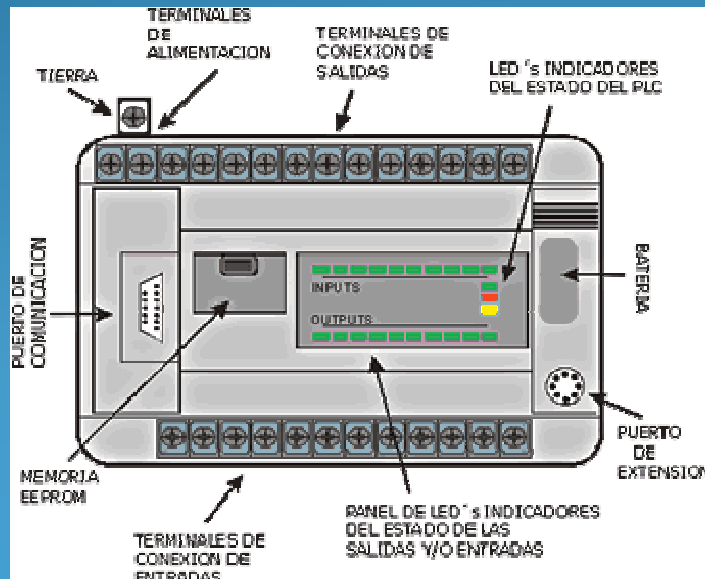


PRACTICO 2

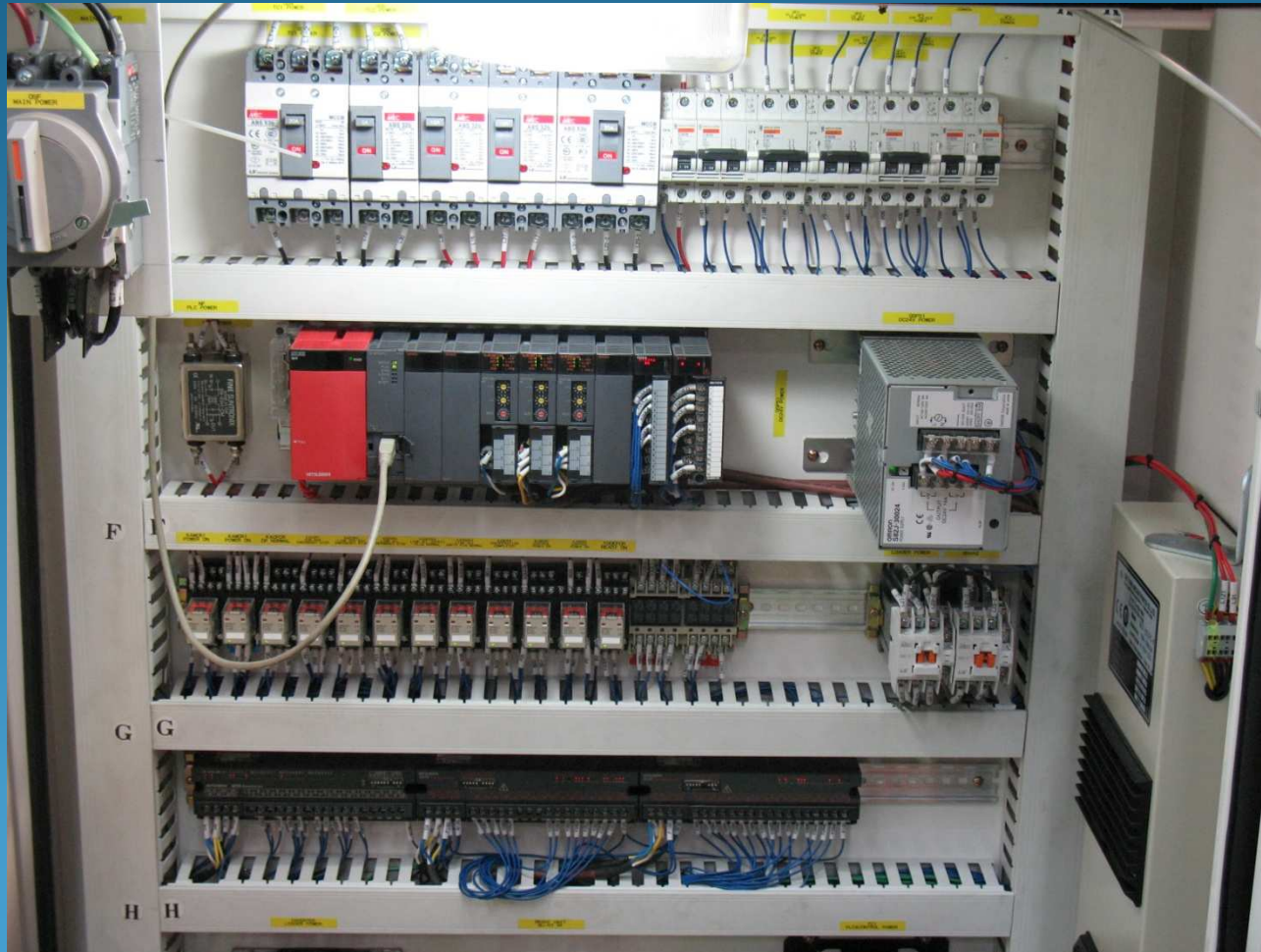
Maquina de perforado



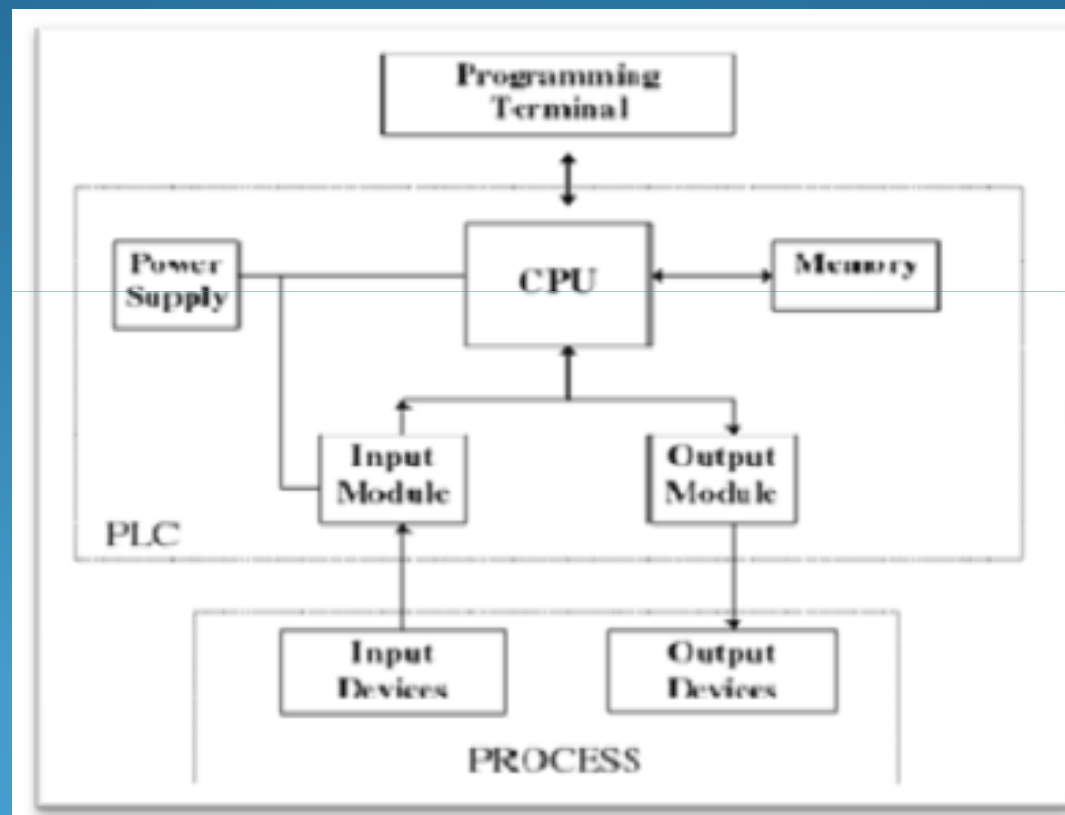
PLC



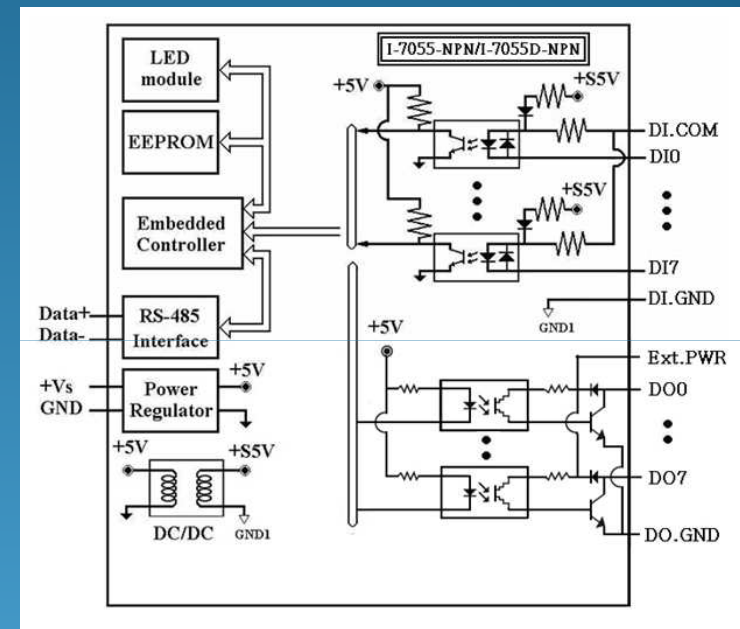
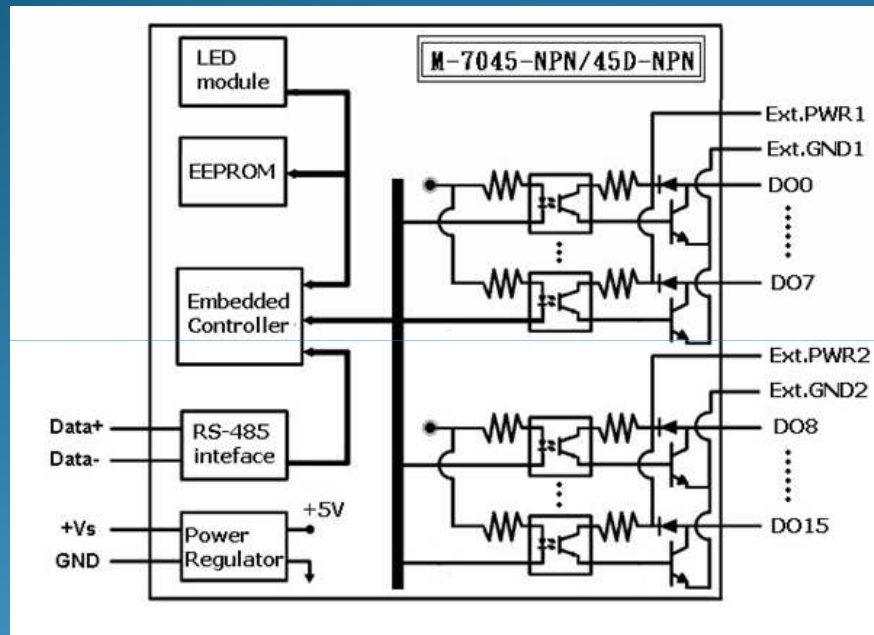
PLC



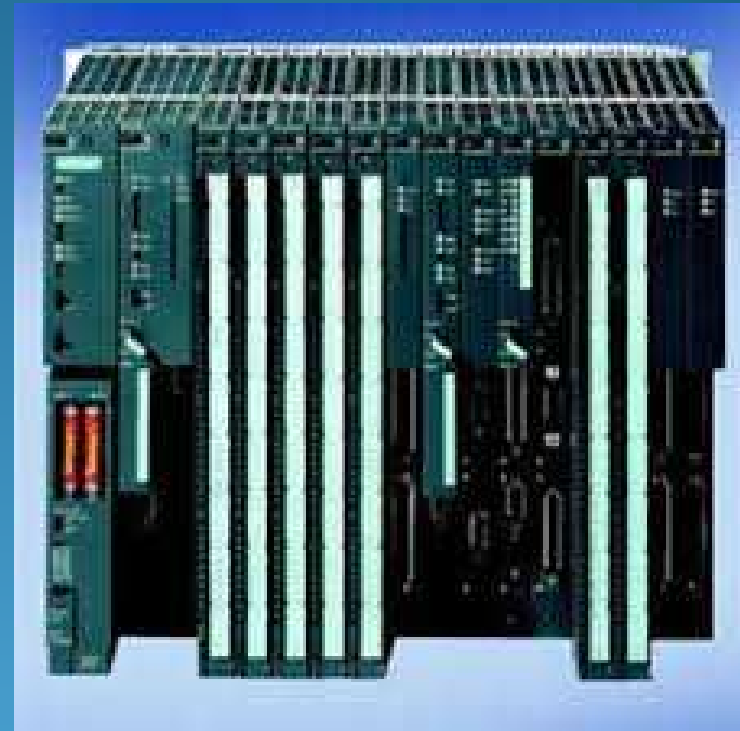
PLC



PLC



PLC



PLC

<http://sourceforge.net/projects/classicladder/>

