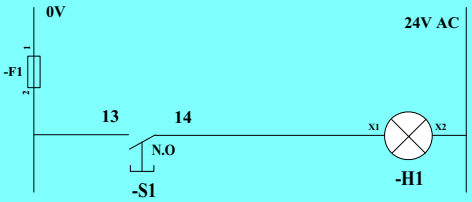
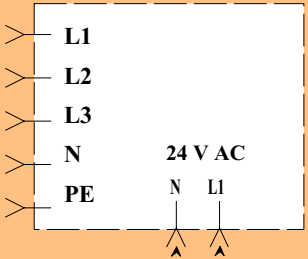
Le poste de câblage

Le schéma à câbler



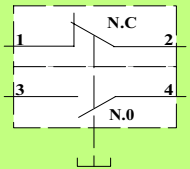
L'alimentation

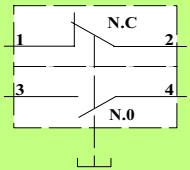


Grille de câblage

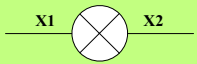
Fusible

Bouton Poussoir (Bp)
qui agit sur 2 contacts





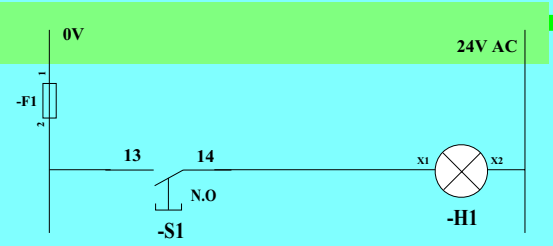
Lampe 24 V

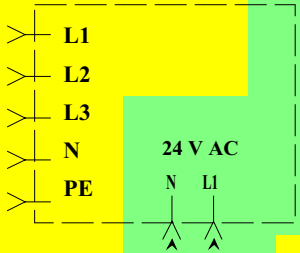


-H1

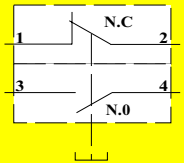
La source d'énergie

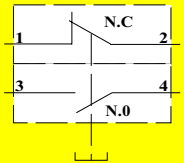
Le schéma à câbler

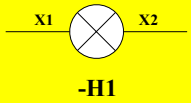




TBT
Très Basse Tension
entre 0 V et 50 volts
autorisée

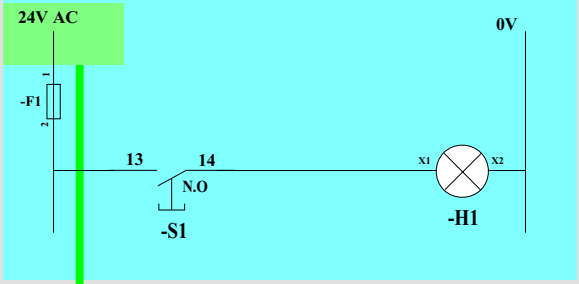






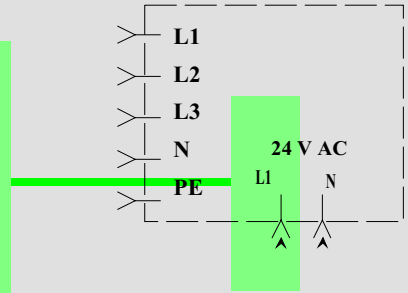
La source d'énergie

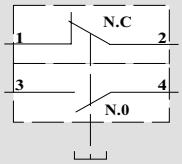
Le schéma à câbler

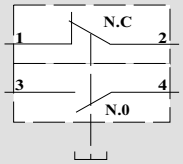


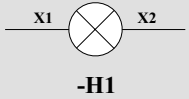
24 V AC
24 Volts Alternatif Courant

indique la phase dans ce fil
il y a du courant



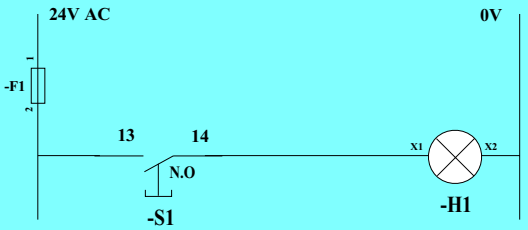


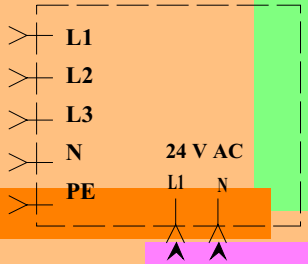




La source d'énergie

Le schéma à câbler

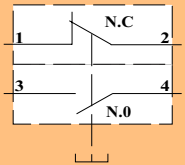


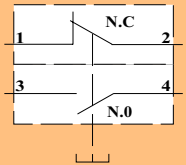


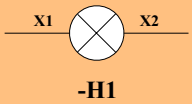
La connection s'opère au moyen de fiche mâle et femelle

Connecteur femelle

connecteur mâle

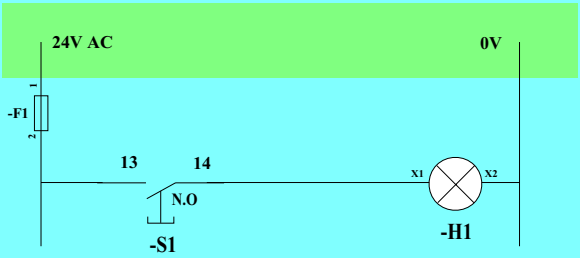


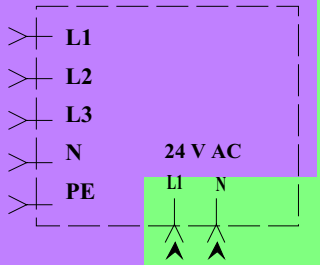




Sécurité

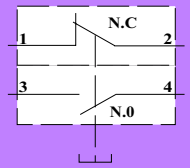
Le schéma à câbler

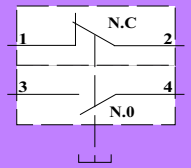


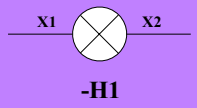


Sécurité:
cette tension n'est pas dangereuse
malgré tout prendre de bonne habitude

consigner
vérifier l'absence de tension

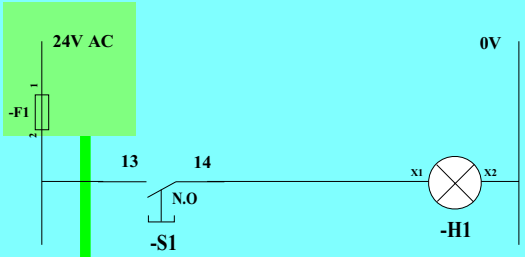






Câblage

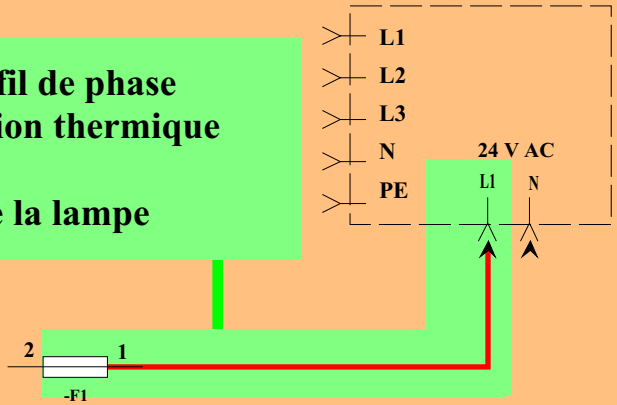
Le schéma à câbler

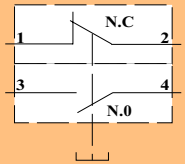


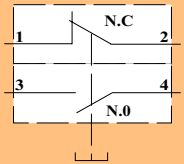
Par sécurité :

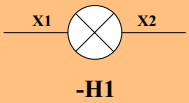
maintient du circuit ouvert pendant le câblage.
On mettra le fusible au dernier moment

Un fusible protège le fil de phase
il s'agit d'une protection thermique
fusible type gl
ampérage = à celui de la lampe

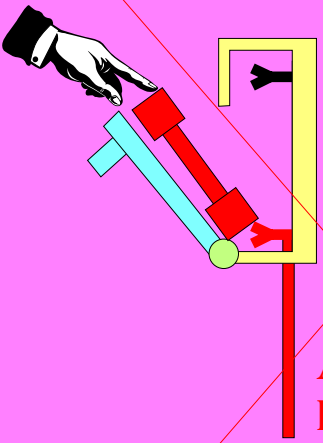






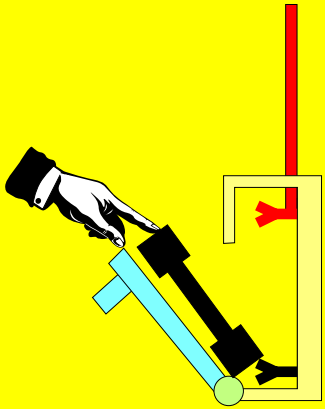


Attention au câblage



Arrivée du courant par le bas

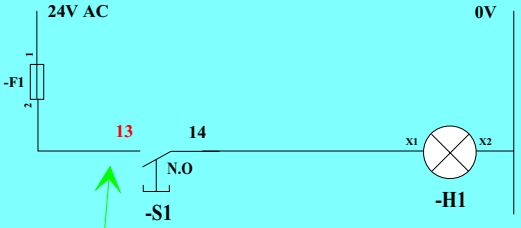
Danger lors du changement de fusible



Arrivée du courant toujours par le haut du composant

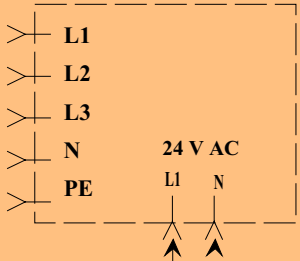
Câblage

Le schéma à câbler

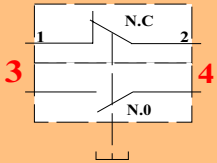


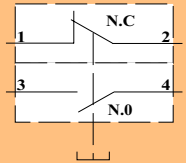
Dans les circuit s de commande

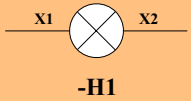
les contacts sont repérés par 2 chiffres



Ce type de Bouton Poussoir Bp peut servir sur des circuits de puissance c'est pourquoi il n'a qu'un chiffre pour le repérage

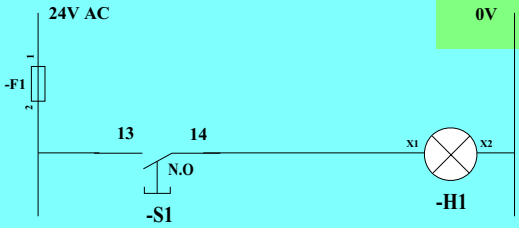


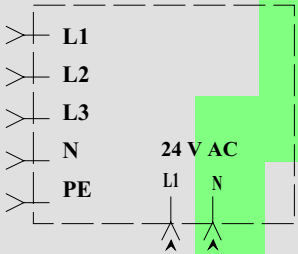




La source d'énergie

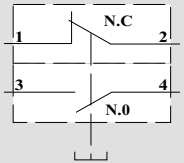
Le schéma à câbler

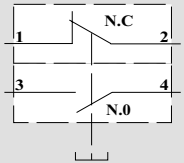


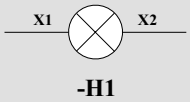


O V

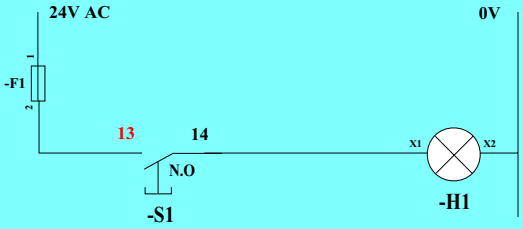
indique le neutre
il s'agit d'une alimentation
monophasé = 1 seule phase



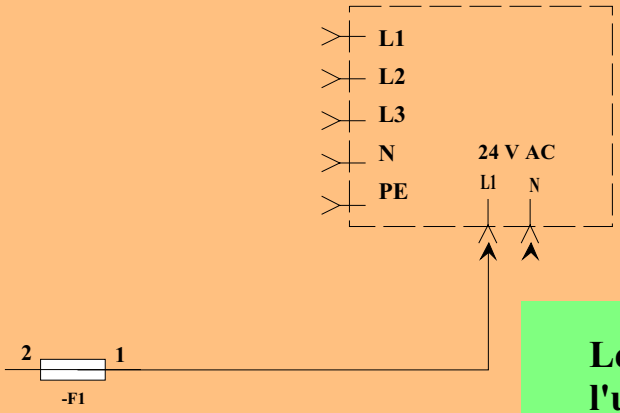




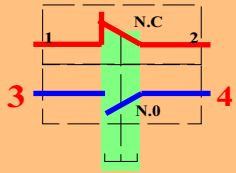
Le schéma à câbler

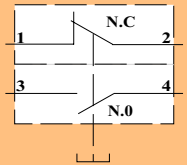


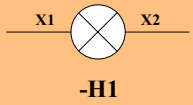
Câblage



Le même Bp agit sur 2 contacts
l'un est ouvert au repos
l'autre est fermé au repos

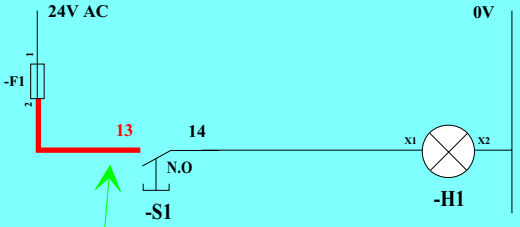






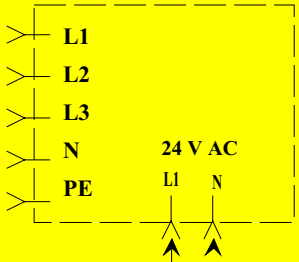
Câblage

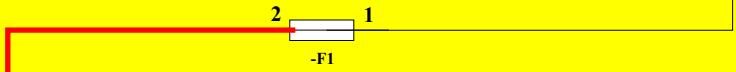
Le schéma à câbler



Relier le fusible au Bp

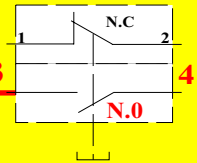
Un contact ouvert au repos
est fini toujours par les chiffres 3 et 4
exemple: 13-14 53-54 83-84

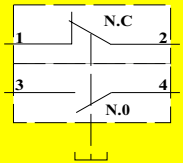


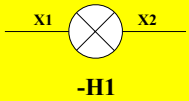


Sur les composants il est aussi repéré N.O : Normaly Open

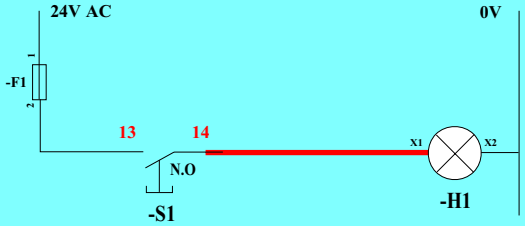
A l'état normal (repos) il est ouvert





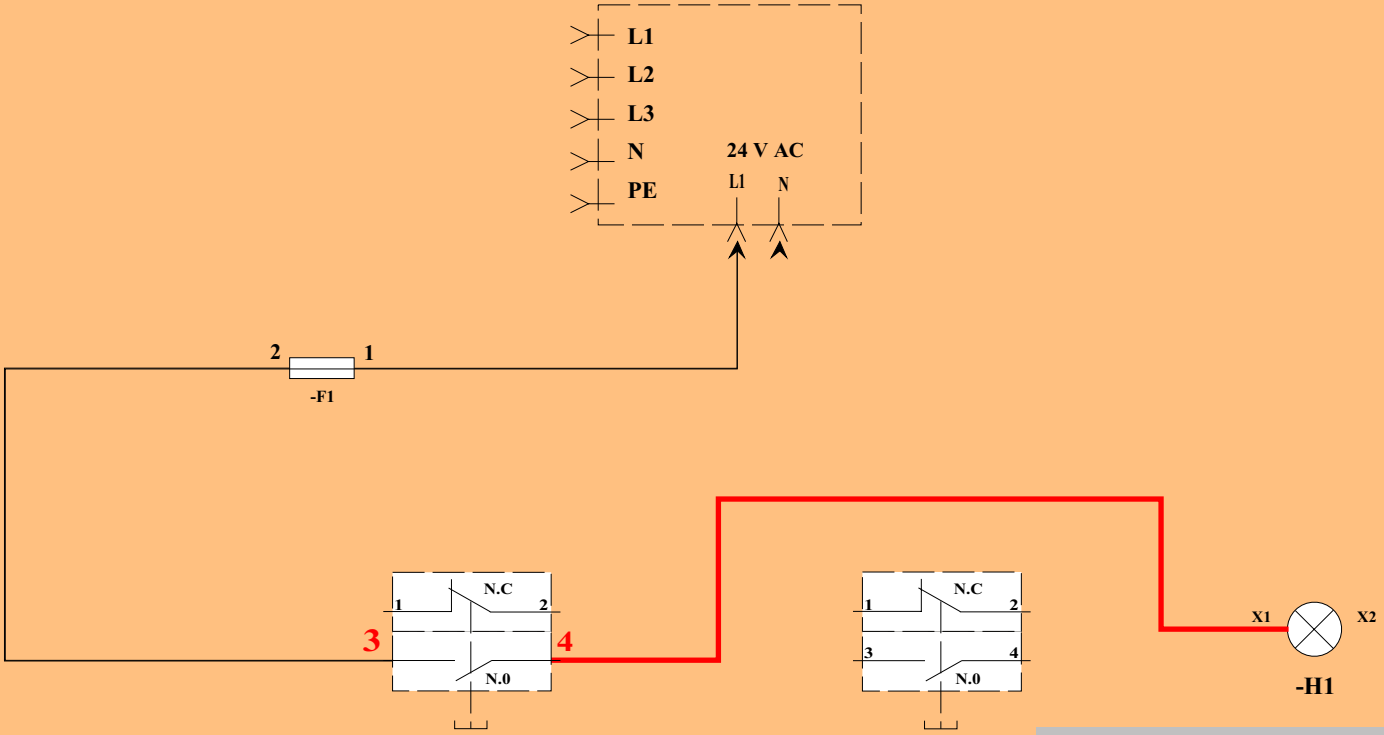


Le schéma à câbler



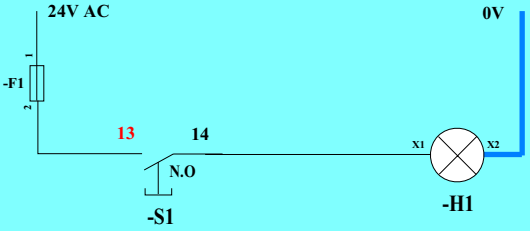
Câblage

Relier le contact à la lampe

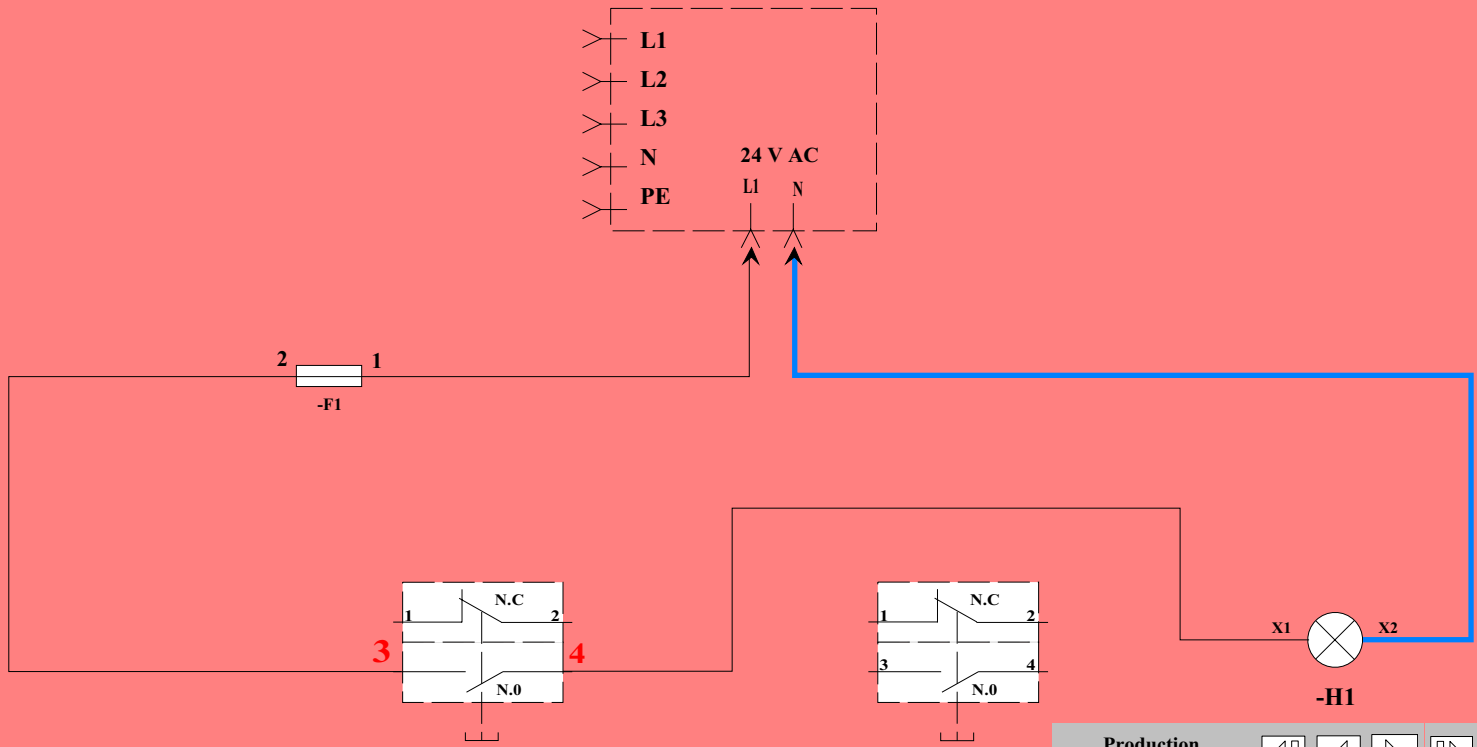


Câblage

Le schéma à câbler

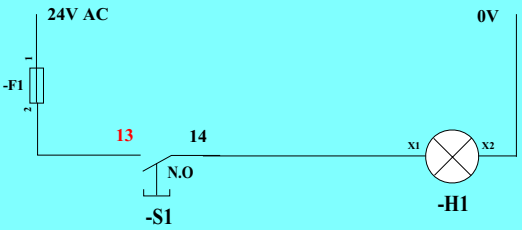


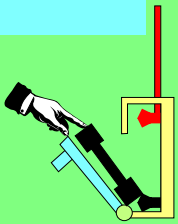
Fermer le circuit



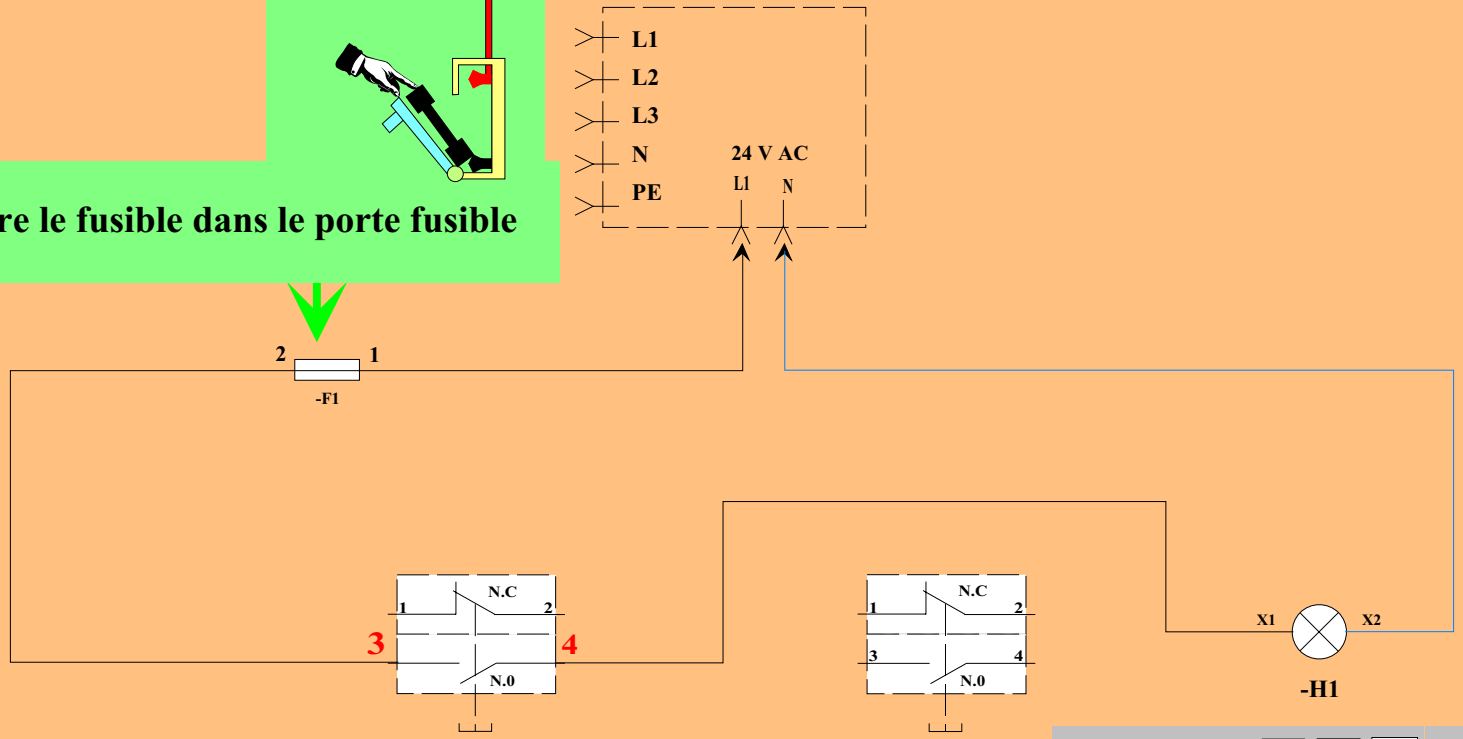
Câblage

Le schéma à câbler



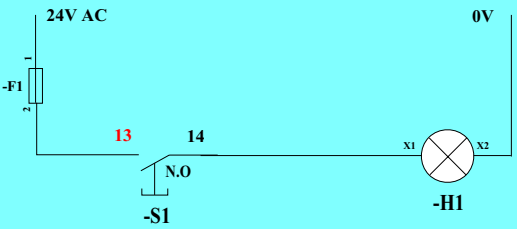


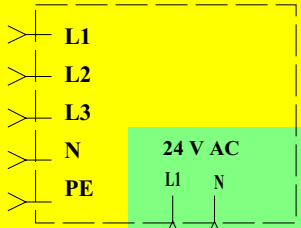
Mettre le fusible dans le porte fusible



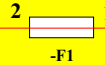
Câblage

Le schéma à câbler

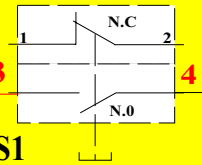


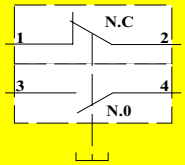


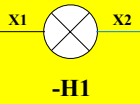
Mettre la tension



La tension s'arrête à l'entrée du contact

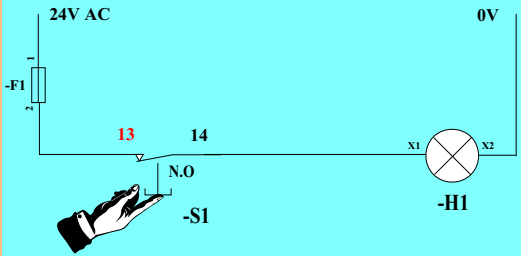






Câblage

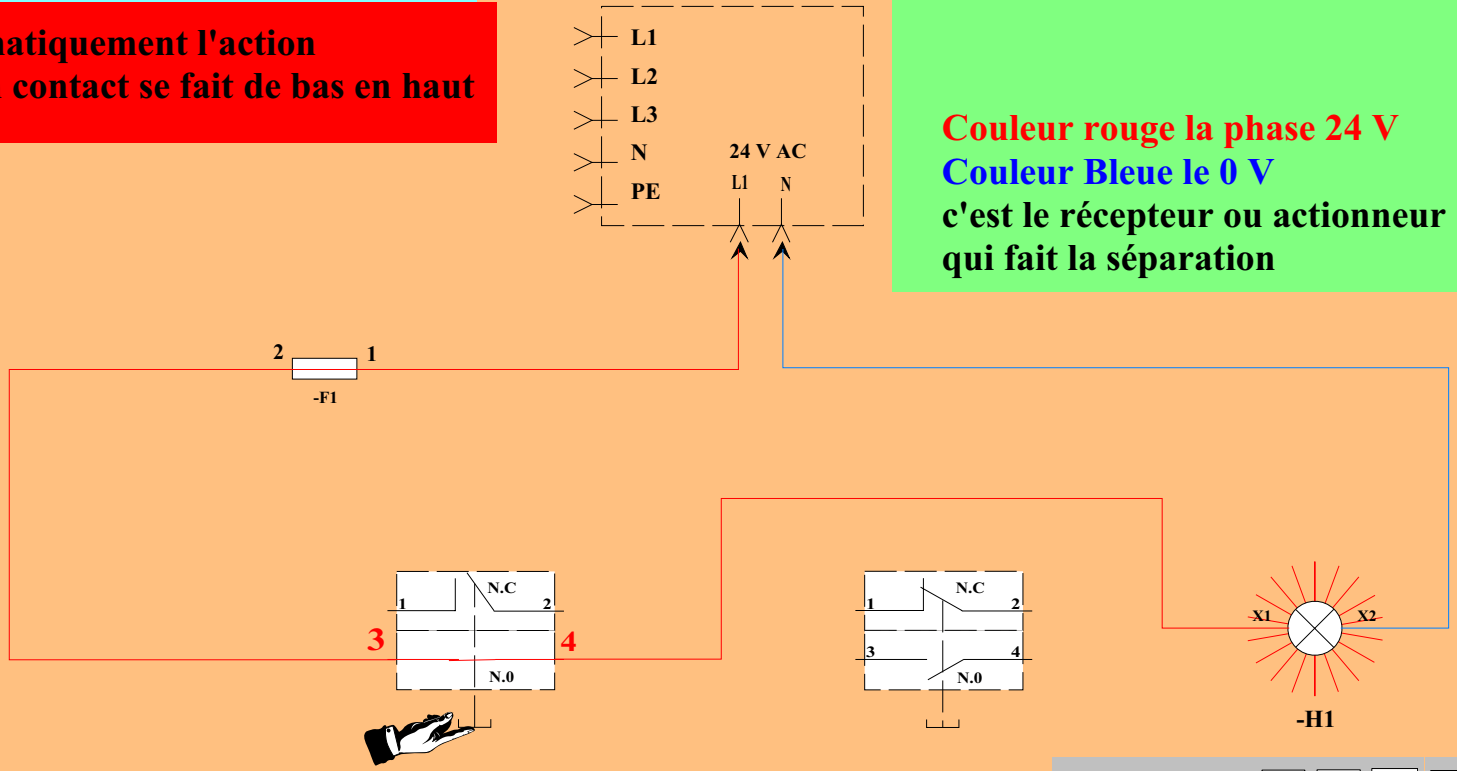
Le schéma à câbler



Schématiquement l'action sur un contact se fait de bas en haut

Actionner le Bp

la lampe doit s'éclairer



Couleur rouge la phase 24 V
Couleur Bleue le 0 V
c'est le récepteur ou actionneur qui fait la séparation

FIN