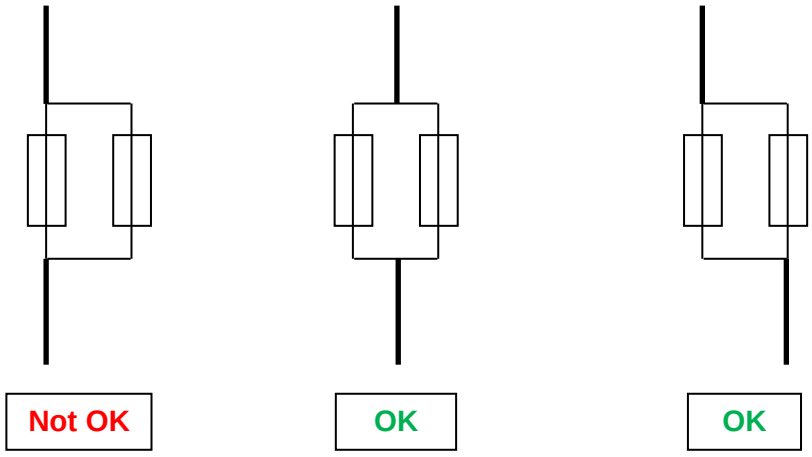
FUSES IN PARALLEL

It is possible to connect two fuses in parallel in order to have a bigger rated current.

It is important to take into account some details in order to have the same current through both fuse-links:

- The fuse-links must be exactly equal, from the same manufacturer, same model (we recommend to use fuse-link from the same production batch).
- The fuse bases must be also equal (same manufacturer and same model).
- Fuse bases must be connected in such way that the current path must be equal in both branches in order to avoid unequal current sharing (see drawings).



Taken into account these considerations, the assembly of two fuse-links has the following characteristics:

- Rated current is twice the rated current of one fuse-link.
- The maximum operating voltage (AC or DC) is the same that a single fuse-link.
- Breaking capacity (AC or DC) of the combination is the same that a single fuse-link.
- I^2t of 2 fuse-links in parallel is 4 times the I^2t of one fuse-link.
- Peak let through current of 2 fuse-links in parallel is 1,59 times the peak of one fuse-link.

If necessary, it is possible to connect in parallel more than two fuses, however, in this case may be necessary to apply some deratings (consult us).