

## IEC Technical data

### Parallel connection of main poles

#### Parallel Connection of Main Poles

Purpose: Increasing the a.c. resistive load.

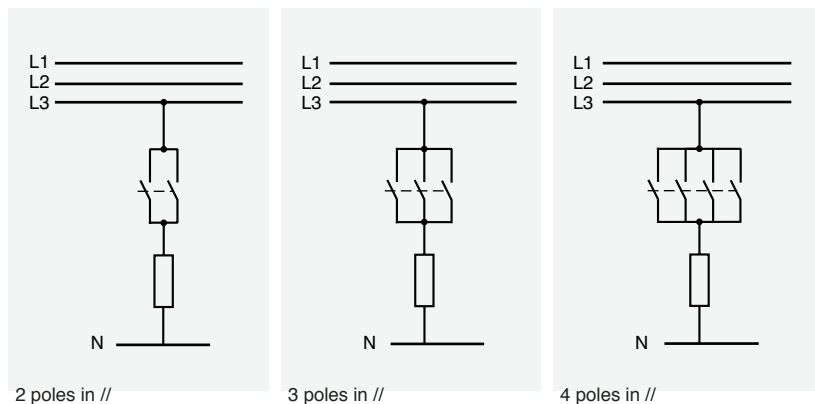
Remarks:

- Parallel connection of main poles to increase the d.c. resistive load is not acceptable.
- Parallel connection of main poles does'nt increase the breaking capacity.

Means: The poles can be connected in parallel via shorting bars. See page 1.30.

- LP and LH for parallel connection of 2 poles,
- LY and LF for parallel connection of 3 poles,

The table below shows the uprating factor for  $I_g / AC-1$  max. in relation to the number of poles in parallel and for a max. switching frequency.



Contactors			Factor to be applied to the rated operational current $I_g / AC-1$ to obtain the permissible current $I_g / AC-1$ with "n" poles in parallel.						
a.c. Operated	d.c. Operated	Cycles / h							
<b>3-pole contactors</b>									
A 9 ... A 75	AF 50 ... AF 75								
AF 50 ... AF 75	AE..., TAE...	600	1.6	2.2					
	AL...	A 95 ... A 300	AF 145 ... AF 750	300	1.6	2.2			
AF 145 ... AF 750									
<b>4-pole contactors</b>									
A 9 ... A 75	AF 45 ... AF 75								
AF 45 ... AF 75	AE..., TAE...	600	1.6	2.2	2.6				
	AL...	EK...	EK...	300	1.6	2.2	2.8		