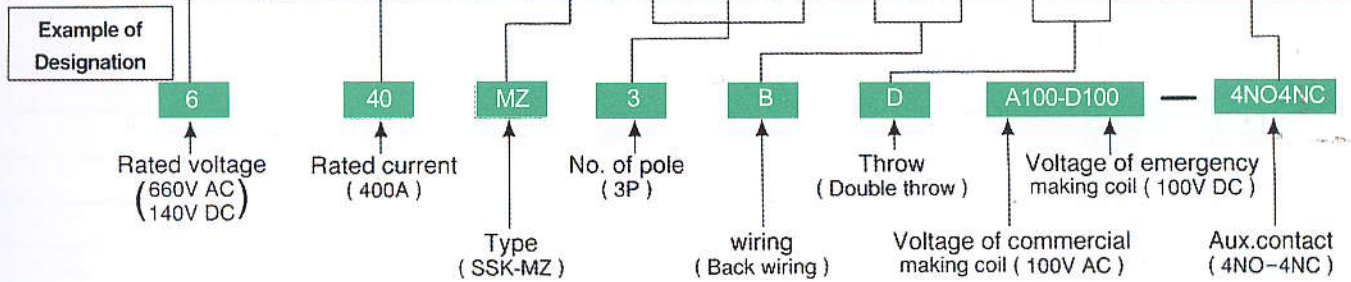


TYPES AND DESIGNATIONS

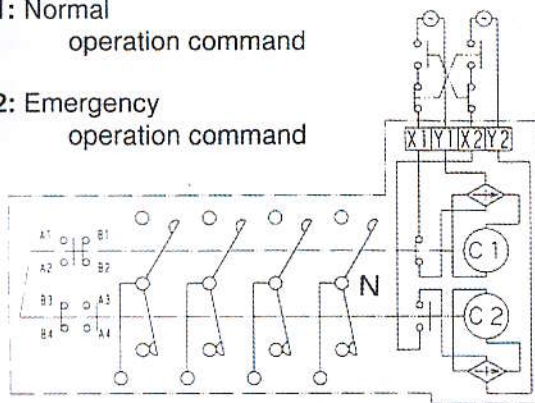
Model		Type	No. of pole			Wiring		Throw		Aux. contact	
Rated voltage	Rated current		2P	3P	4P	Front	Back	Single throw	Double throw		
			2	3	4	F	B	S	D		
660V AC max. 140V DC max.	15	150 A	MZ	○	○	○	○	△	○	○	2NO-2NC or Standard
	30	300 A		○	○	○	○	△	○	○	
	40	400 A		○	○	○	○	△	○	○	
	50	500 A		○	○	○	○	△	○	○	
	60	600 A		○	○	○	○	△	○	○	
	80	800 A		○	○	○	○	—	○	○	
660V AC max.	100	1000 A		○	○	○	○	○	○	○	4NO-4NC as Optional
	120	1200 A		○	○	○	○	○	○	○	
	140	1400 A		○	○	○	○	○	○	○	
	180	1800 A		○	○	○	○	○	○	○	
	200	2000 A		○	○	○	○	—	○	○	
	300	3000 A		○	○	○	○	—	○	○	



Control circuit and contact arrangement

X1-Y1: Normal operation command

X2-Y2: Emergency operation command

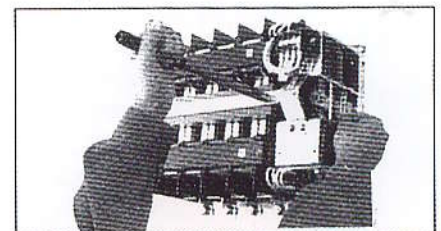


Auxiliary circuit Main circuit Phase N Control circuit

C1: Normal making coil
C2: Emergency making coil
RF: Silicon rectifier

Instruction of neutral locking

- 1) Turn off the control power.
- 2) Turn off the main circuit power.
- 3) Move to neutral position by manual operation handle.
- 4) Insert the Neutral-Lock tool until permanent magnet absorbs movable arm or yoke so that neutral position can be settled.



- Notes:
1. On completing the check at neutral position, remove Neutral-Lock tool without fail.
 2. Do not apply voltage to coil while position is locked in neutral by Neutral-Lock tool. (If voltage is applied, the operating coil will be burned out.)