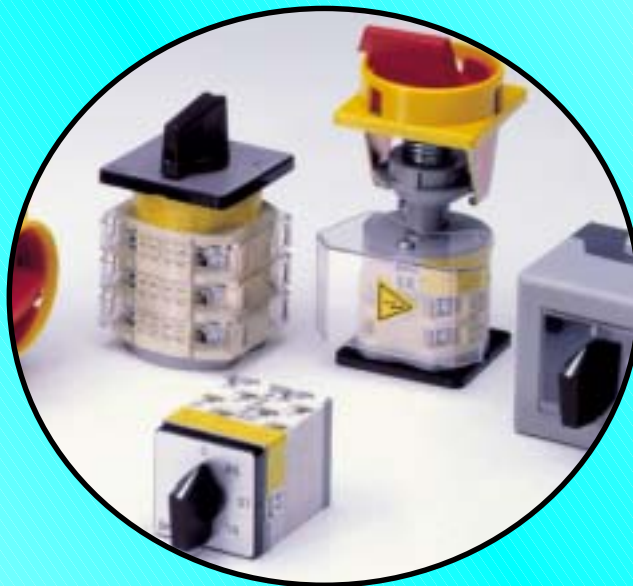


**CATALOGO DE**  
**ESQUEMAS NORMALIZADOS**



**INTERRUPTORES**  
**CONMUTADORES**

**BIHPLAT, S.A.**  
material eléctrico

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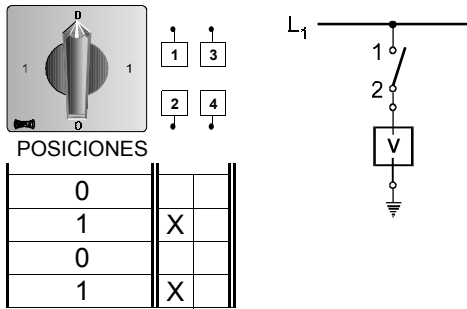
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B-009	2	VOLTIMETRO 2 POLOS 6 TENSIONES
B-010	2	VOLTIMET. 3 F. y F. CON NEUTRO
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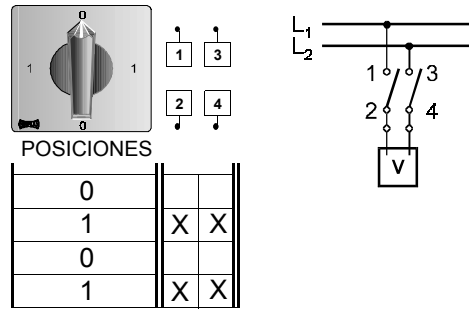


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B-311	36	CONMUTADOR 3 GRUPOS UNIPOLAR
B-312	36	CONMUTADOR 2 GRUPOS BIPOLAR
B-313	36	CONMUTADOR 3 GRUPOS BIPOLAR
B-314	36	CONMUTADOR 2 GRUPOS TRIPOLAR
B-315	37	CONMUTADOR 3 GRUPOS TRIPOLAR
B-316	36	CONMUTADOR 3 GRUPOS EST.-TRIAN
B-330	37	CONMUT. 2 GRUPOS SERIE UNIPOLAR
B-331	37	CONMUT. 2 GRUPOS SERIE BIPOLAR
B-332	37	CONMUT. 2 GRUPOS SERIE TRIPOLAR
B-340	37	CONMUT. GRUP.SERIE-PARAL.TRI.
B-400	12	INVERSOR BIPOLAR
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B-410	38	ESTRELLA-TRIANGULO NORMAL
B-411	38	ESTRELLA-TRIANG. RETORNO a 0
B-412	38	EST.-TRIAN. RETOR. y POS.FRENO
B-413	38	ESTR.-TRIANG. NORMAL C/INVERS.
B-414	39	CONMUT.ESTR.-TRIANG.INV.C/RET.
B-415	39	CONMUT.ESTR.-TRIANG.GIRO EN 1 DIR.
B-416	39	ESTR.TRIANG.CONTACT.CERR.POS.0

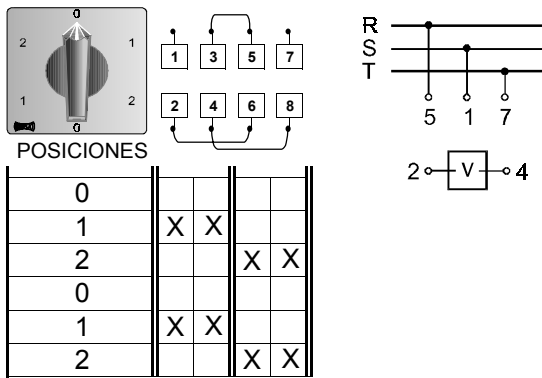
Ref.	Pag.	Descripción
B-417	39	ESTRELLA-TRIANGULO SELECTOR
B-418	40	ESTRELLA-TRIANGULO CONTACTOR
B-419	40	EST.TRIANG.SIMPLIF. para CONT.
B-420	40	ESTR.TRIANG. C/CONTACT. e INV.
B-425	41	ARRANCADOR C/RETOR. MANIVELA 1
B-426	41	ARRANCADOR CON INVERSION
B-427	41	ARRANCADOR a 125 y 220 A.
B-440	41	CONM. 2 VELOC. 1 DEVAN. 0-1-2
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B-446	43	CONMUT. 2 VELOC. C/INVERSION
B-449	43	CONMUT. 2 VELOC. ARROLL. SEPAR.
B-450	43	CONM. 2 VELOC. 2 DEVAN. 0-1-2
B-451	44	CONMUT. 2 VELOCIDADES 0-1-2
B-453	44	CONMUTADOR 0-1-2 C/INVERSION
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B-455	44	CONMUT. 3 VELOCIDADES 0-1-2-3
B-456	45	CONM.3 VEL 3-2-1-2-1-2-3 C/INV
B-457	45	CONMUT. 3 VELOCIDADES 0-1-2-3
B-458	45	CONMUT. 3 VELOCIDADES C/INVER
B-459	45	CONMUT. 3 VELOCIDADES 0-1-2-3
B-460	46	CONM.3 VEL 3-2-1-2-1-2-3 C/INV
B-461	50	CONMUT. 4 VELOC. 0-1-2-3-4
B-462	50	CONMUT. 4 VELOC. C/INVERS
B-464	52	CONTROLLERS
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B-602	46	CONMUT. 3 VELOCIDADES 0-1-2-3
B-603	46	CONMUT. 3 VELOCIDADES 0-1-2-3
B-604	50	CONMUT. 4 VELOCIDADES 0-1-2-3-4
B-605	47	CONMUT. 3 VELOCIDADES 0-1-2-3
B-606	47	CONMUT. 3 VELOCIDADES 0-1-2-3
B-607	47	CONMUT. 3 VELOCIDADES 0-1-2-3
B-608	47	CONMUT. 3 VELOCIDADES 0-1-2-3
B-609	48	CONMUT. 3 VELOCIDADES 0-1-2-3
B-610	48	CONMUT. 3 VELOCIDADES 0-1-2-3
B-611	51	CONMUT. 4 VELOCIDADES 0-1-2-3-4
B-612	51	CONMUT. 4 VELOCIDADES 0-1-2-3-4
B-613	48	CONMUT. 3 VELOCIDADES 0-1-2-3
B-614	48	CONMUT. 3 VELOCIDADES 0-1-2-3
B-615	49	CONMUT. 3 VELOCIDADES 0-1-2-3
B-616	49	CONMUT. 3 VELOCIDADES 0-1-2-3
B-617	49	CONMUT. 3 VELOCIDADES 0-1-2-3
B-618	49	CONMUT. 3 VELOCIDADES 0-1-2-3
B-619	51	CONMUT. 4 VELOCIDADES 0-1-2-3-4
B-620	52	CONMUT. 4 VELOCIDADES 0-1-2-3-4
B-622	41	ARRANCADOR MOTOR MONO C/INVER.



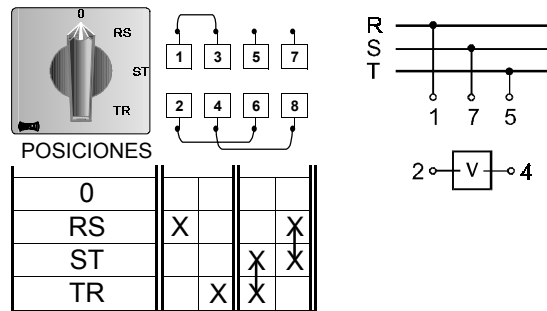
**B-001** VOLTIMETRO  
1 Fase c.a. 1 Polo c.c.  
1 Piso



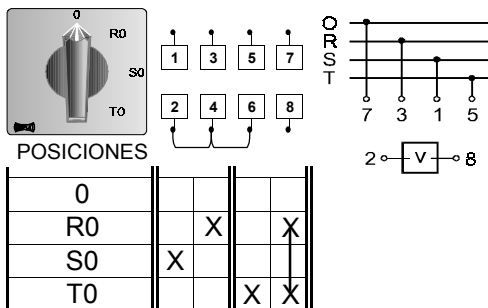
**B-002** VOLTIMETRO  
1 Fase c.a. 2 Polos c.c.  
1 Piso



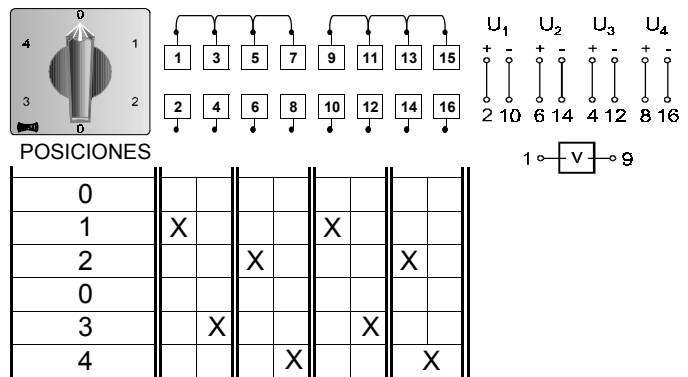
**B-003** VOLTIMETRO  
2 Fases c.a. 2 Polos c.c.  
2 Pisos



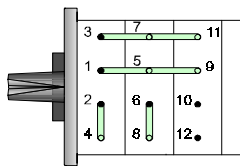
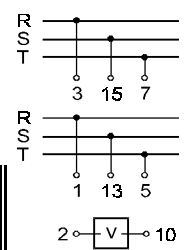
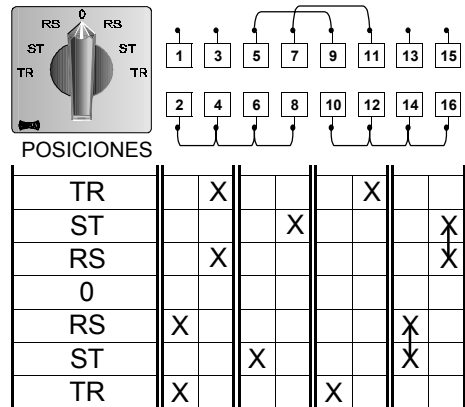
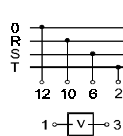
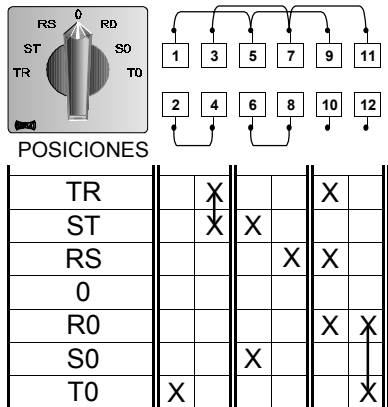
**B-004** VOLTIMETRO  
3 Fases entre sí  
2 Pisos



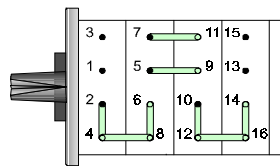
**B-005** VOLTIMETRO  
3 Fases con neutro  
2 Pisos



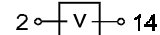
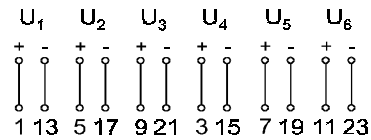
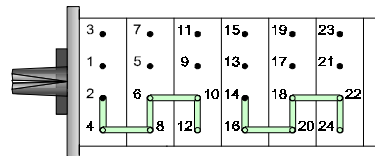
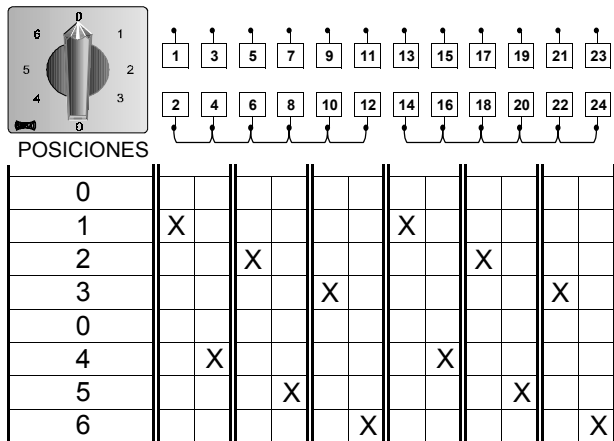
**B-006** VOLTIMETRO  
2 Polos 4 Tensiones  
4 Pisos



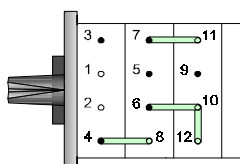
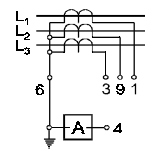
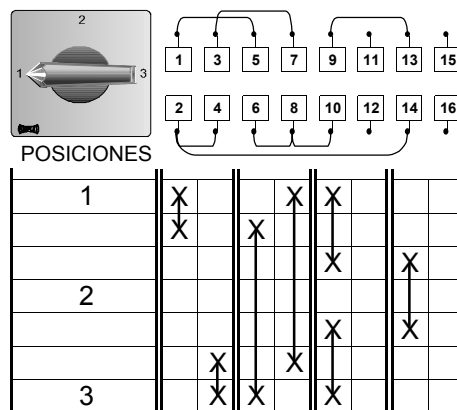
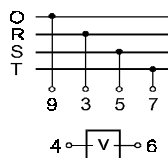
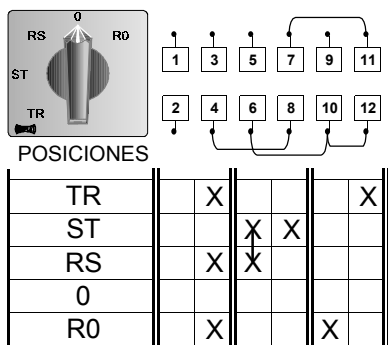
**B-007** VOLTIMETRO  
3 Fases entre si y cada fase con neutro  
3 Pisos



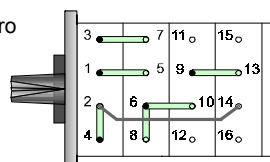
**B-008** VOLTIMETRO  
2 Líneas Trifásicas  
4 Pisos



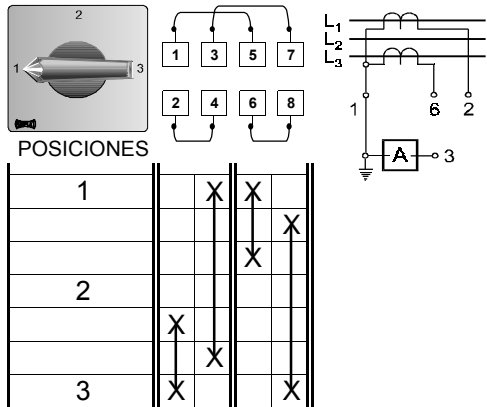
**B-009** VOLTIMETRO  
2 Polos 6 Tensiones  
6 Pisos



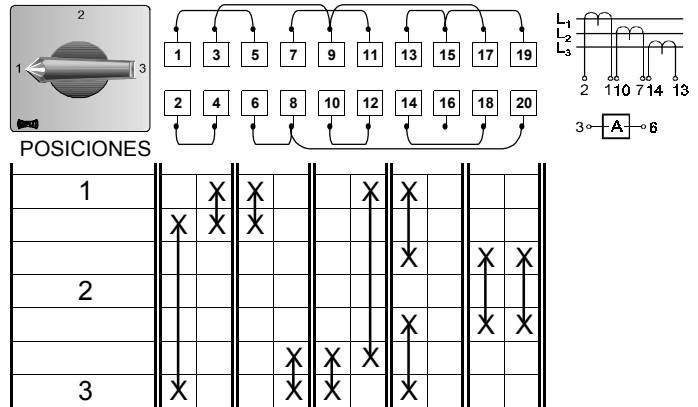
**B-010** VOLTIMETRO  
3 Fases entre si y 1 Fase con neutro  
3 Pisos



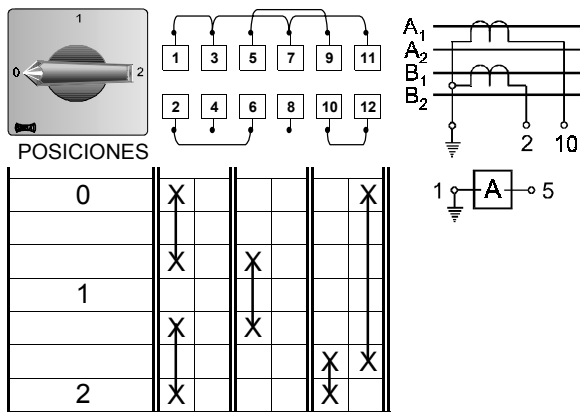
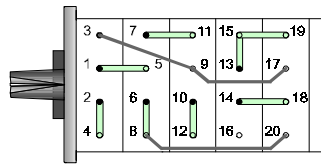
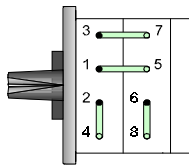
**B-017** AMPERIMETRO  
3 Bobinas, 3 Fases Unipolar  
4 Pisos



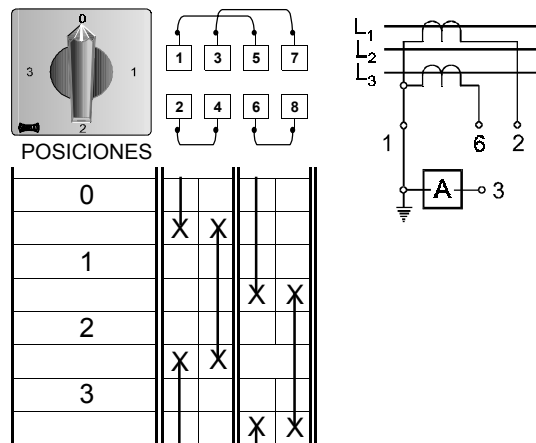
**B-018** AMPERIMETRO  
2 Bobinas 3 Fases Unipolar  
2 Pisos



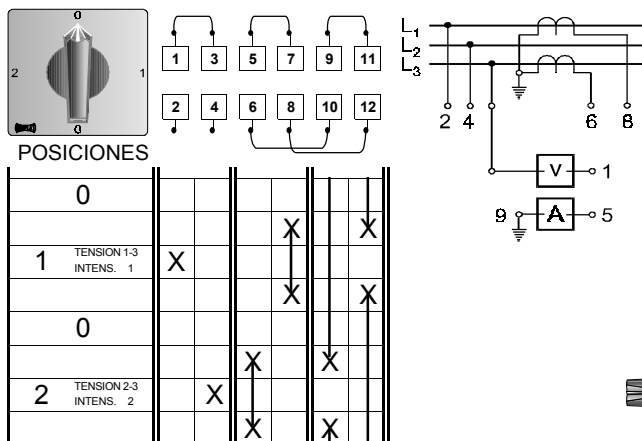
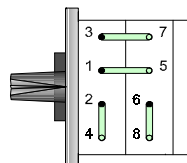
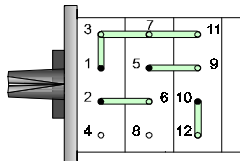
**B-019** AMPERIMETRO  
3 Fases, Especial  
5 Pisos



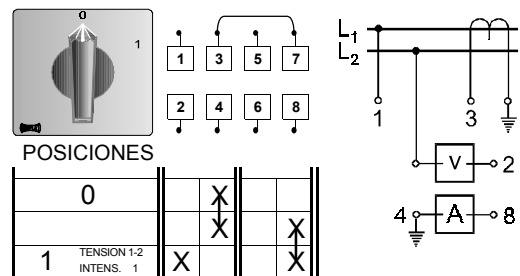
**B-020** AMPERIMETRO  
2 Bobinas 1 Polo  
3 Pisos



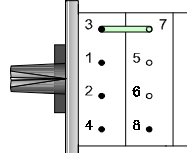
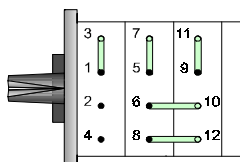
**B-021** AMPERIMETRO  
3 Fases sin neutro  
2 Pisos



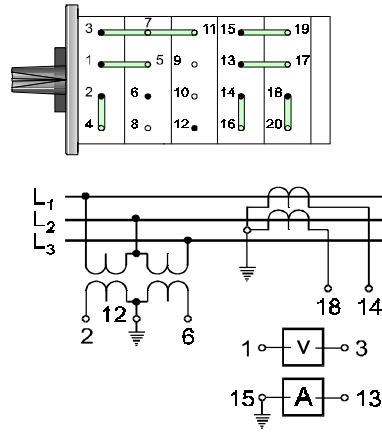
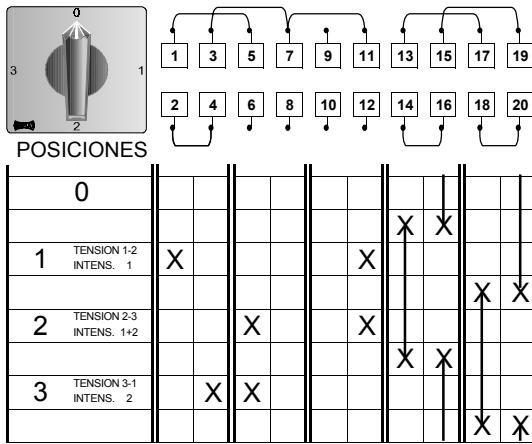
**B-030** VOLTIMETRO AMPERIMETRO  
3 Fases 2 Bobinas 2 Voltajes  
3 Pisos



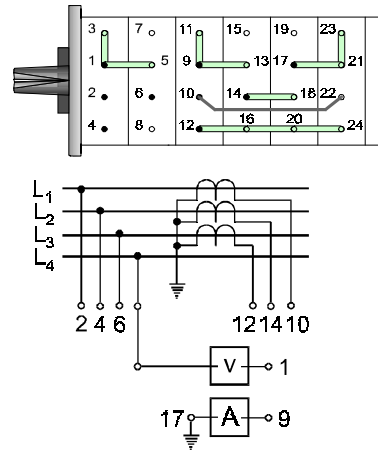
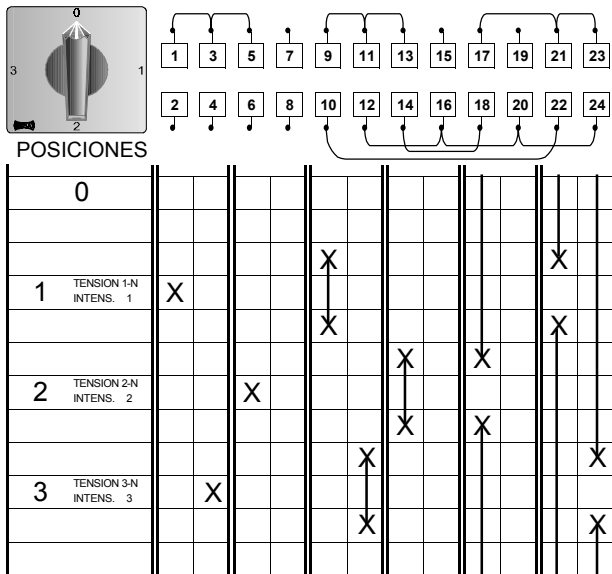
**B-032** VOLTIMETRO AMPERIM.  
2 Fases 1 Bobina 1 Voltaje  
2 Pisos



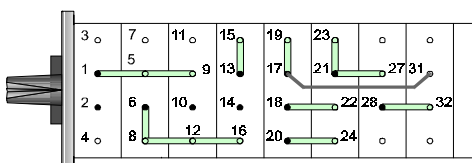
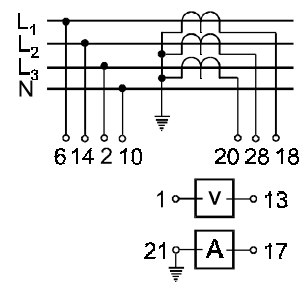
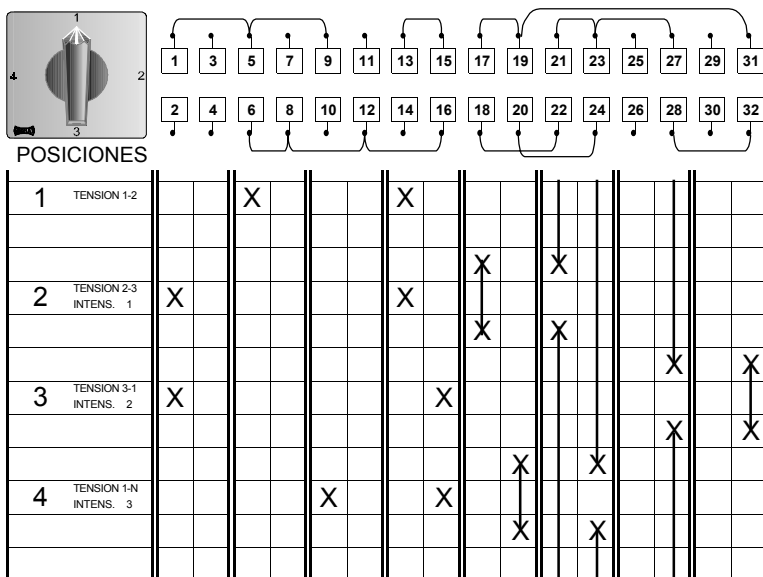




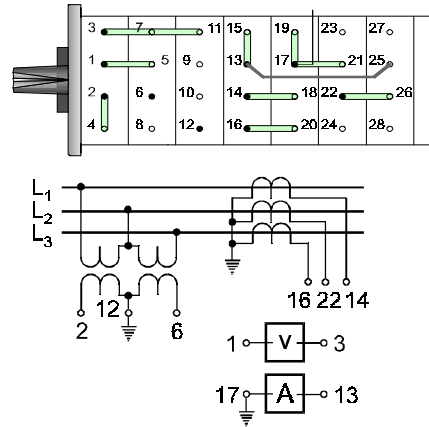
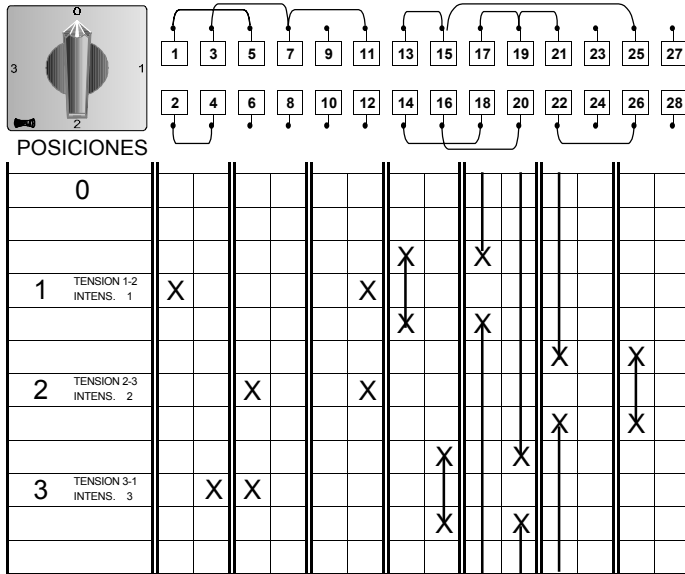
**B-031** VOLTIMETRO AMPERIMETRO  
3 Fases 2 Bobinas Voltímetro con Transformador  
5 Pisos



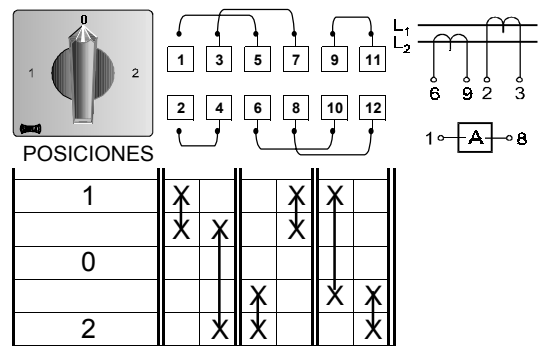
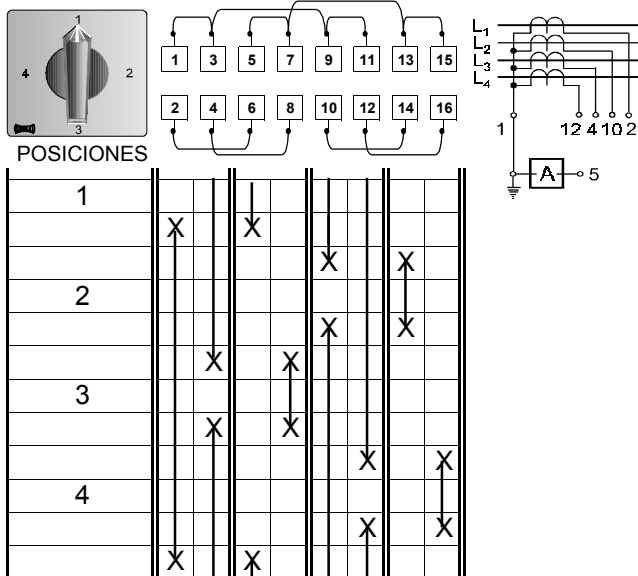
**B-033** VOLTIMETRO AMPERIMETRO  
3 Fases y neutro 3 Bobinas  
6 Pisos



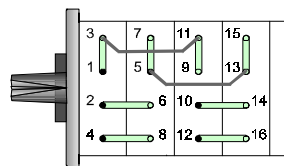
**B-034** VOLTIMETRO AMPERIMETRO  
3 Fases y neutro 3 Bobinas 4 Voltajes  
8 Pisos



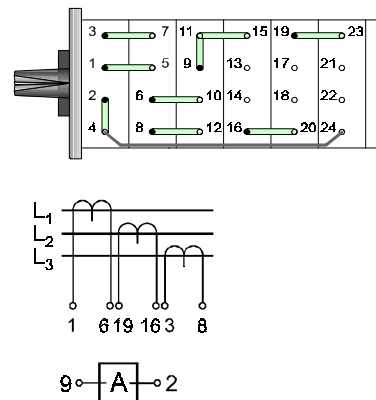
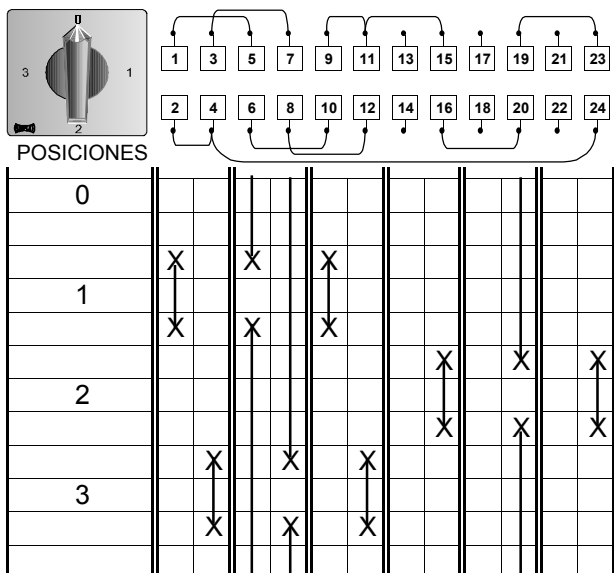
**B-035** VOLTIMETRO AMPERIMETRO  
3 Fases 3 Bobinas Voltímetro c/ Transformador  
7 Pisos



**B-037** AMPERIMETRO  
2 Bobinas Bipolar  
3 Pisos

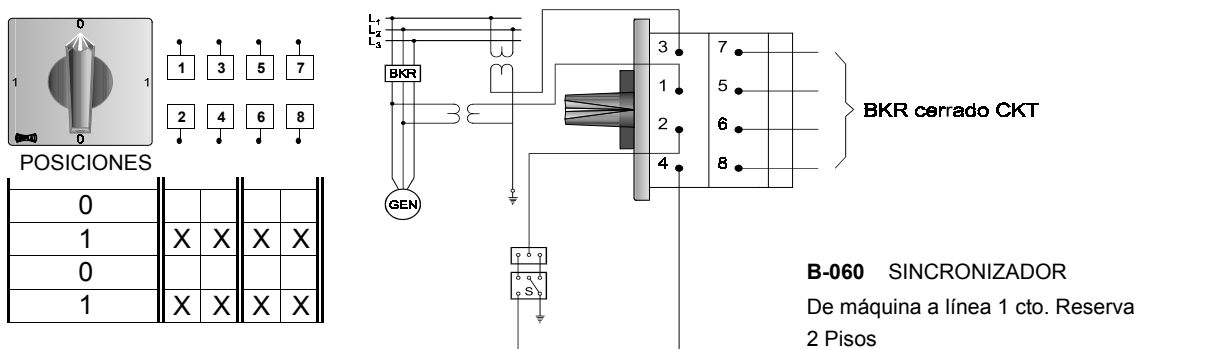
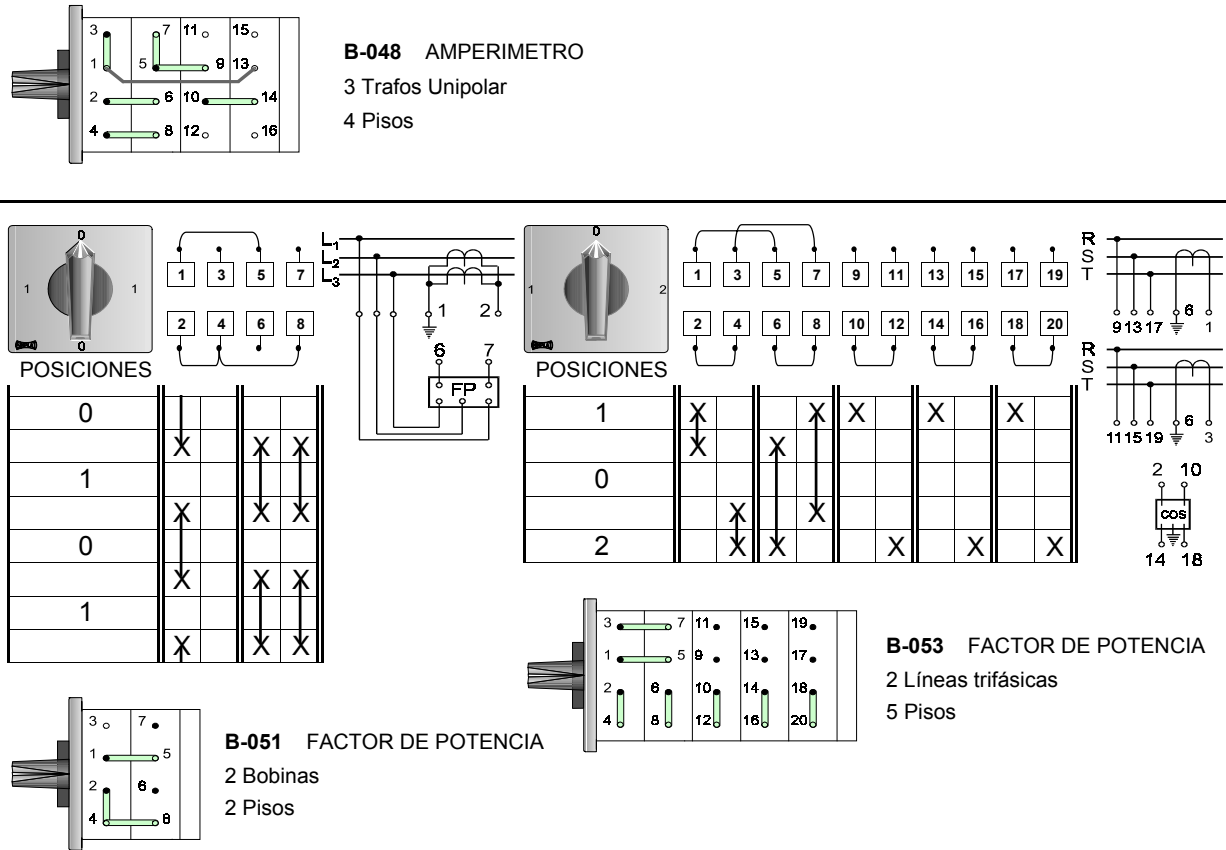
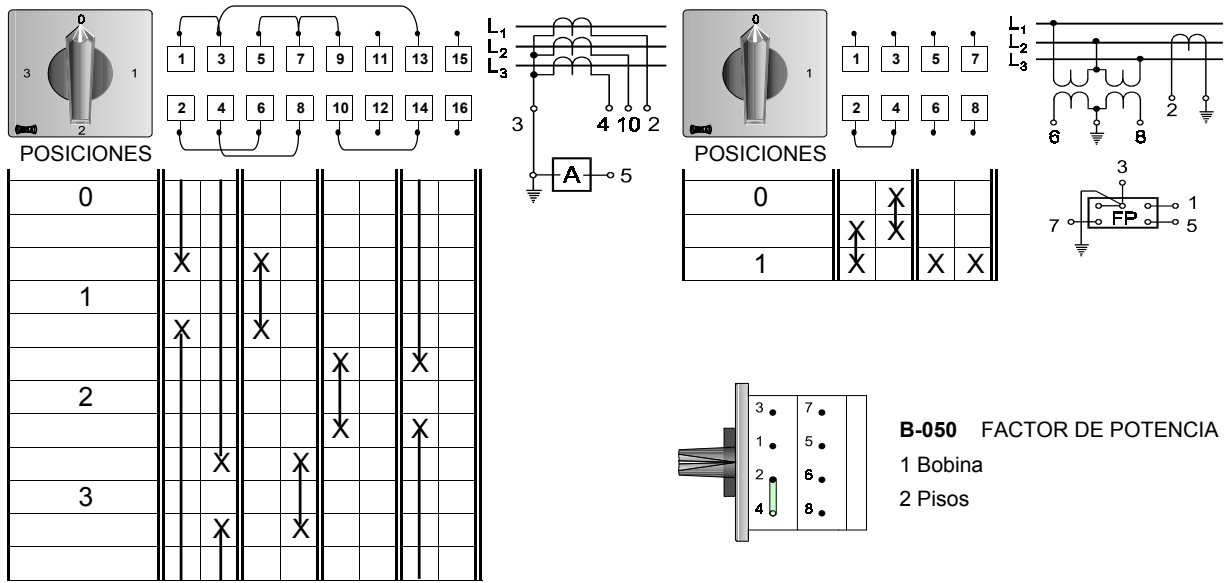


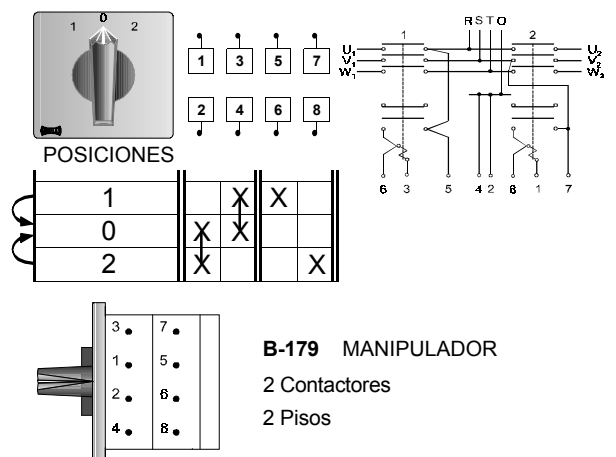
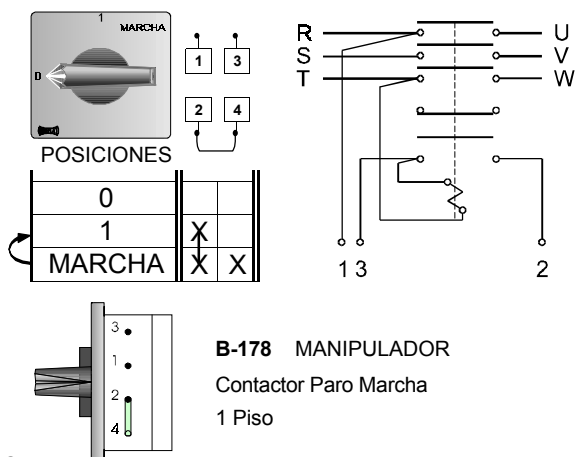
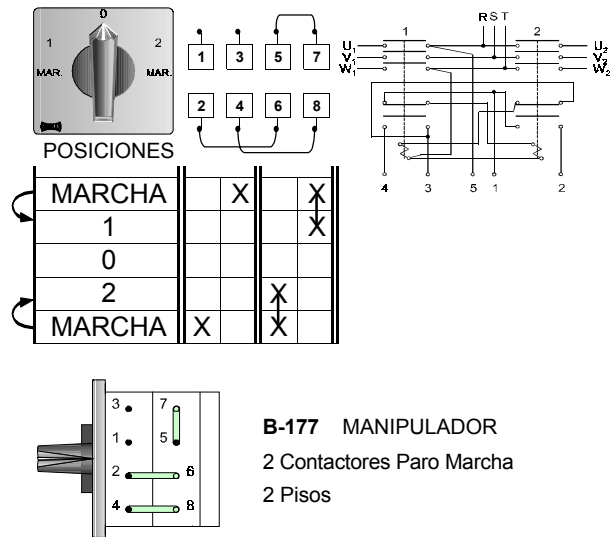
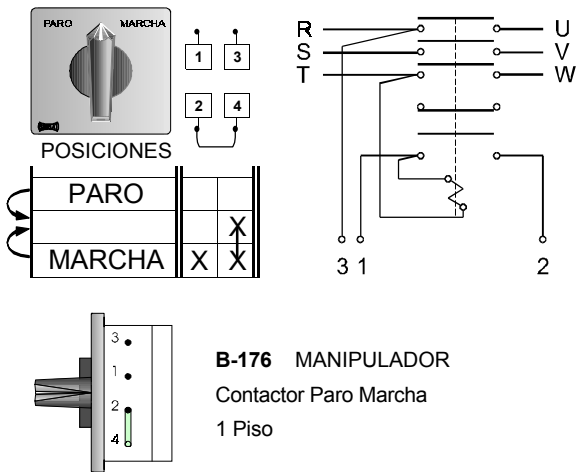
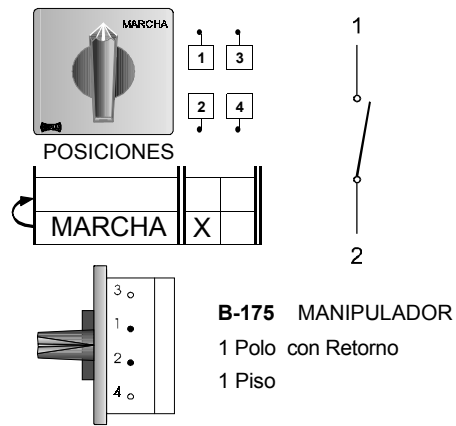
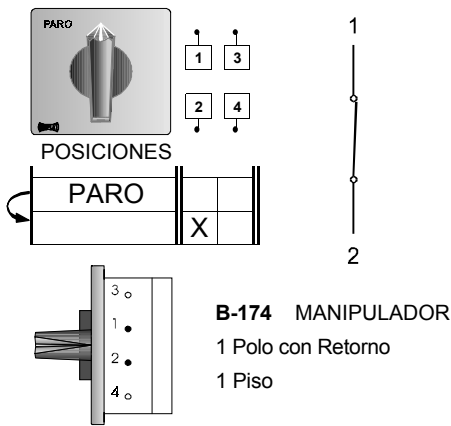
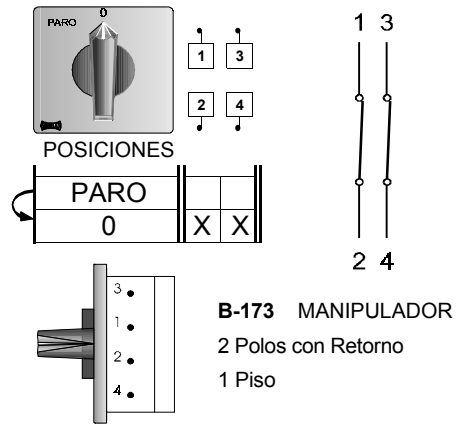
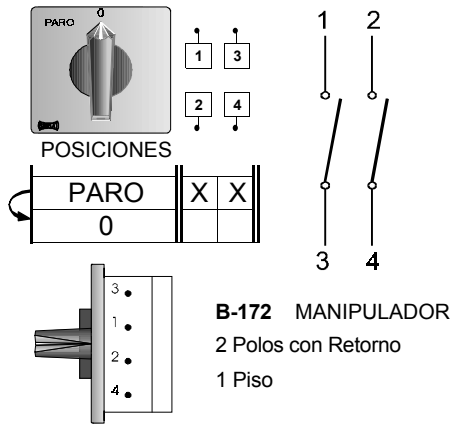
**B-036** AMPERIMETRO  
4 Líneas 4 Bobinas Unipolar  
4 Pisos

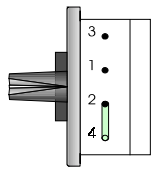
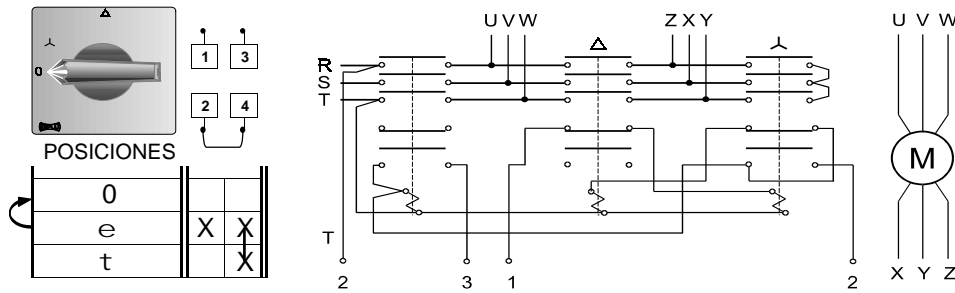


**B-038** AMPERIMETRO  
3 Bobinas Bipolar  
6 Pisos

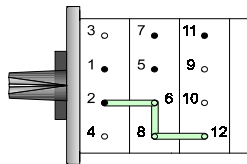
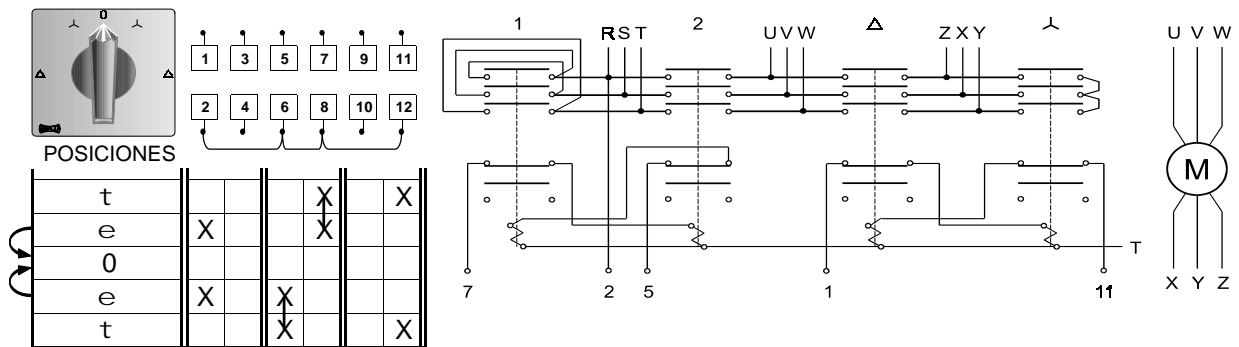




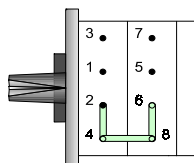
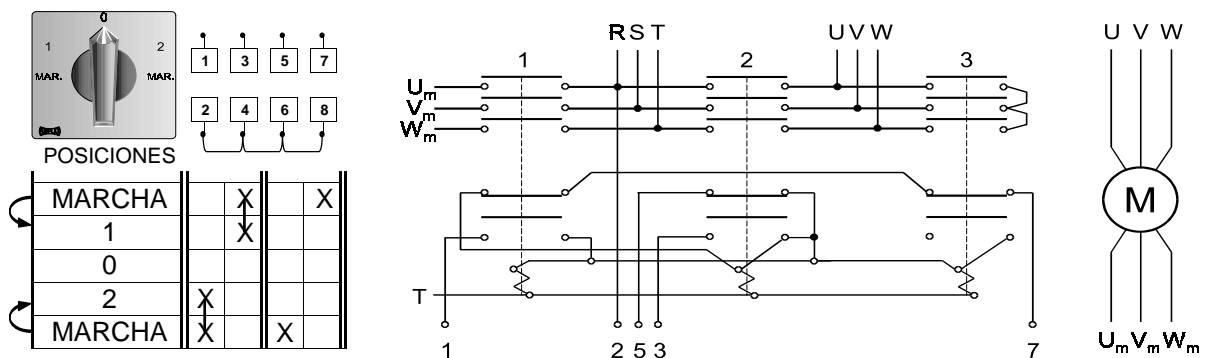




**B-180 MANIPULADOR**  
Arranque Motor Estrella-Triángulo con contactores  
1 Piso

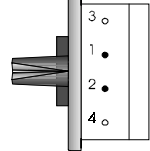
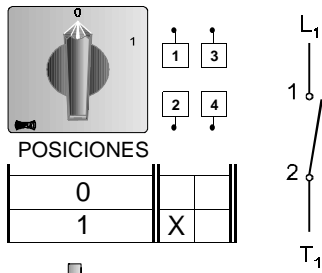


**B-181 MANIPULADOR**  
Arranque Motor Estrella-Triángulo con Contactores e Inversión de marcha  
3 Pisos

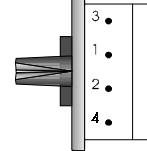
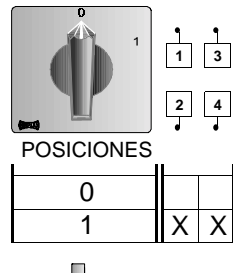


**B-182 MANIPULADOR**  
Motor 2 Velocidades Dahlander con Contactores  
2 Pisos

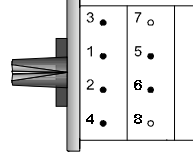
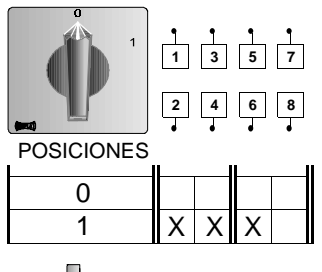
# INTERRUPTORES



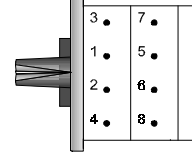
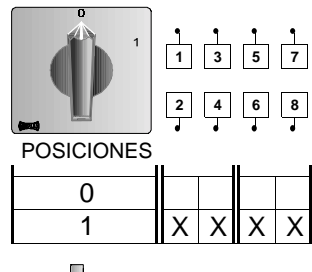
**B-200** INTERRUPTOR  
Unipolar  
1 Piso



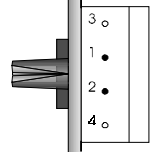
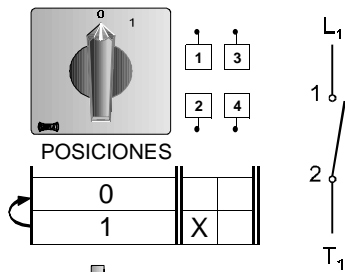
**B-201** INTERRUPTOR  
Bipolar  
1 Piso



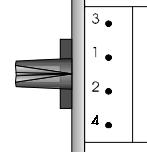
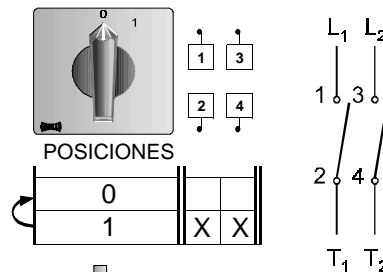
**B-202** INTERRUPTOR  
Tripolar  
2 Pisos



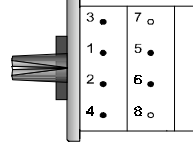
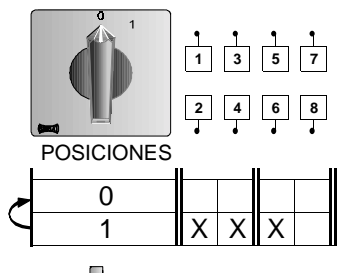
**B-203** INTERRUPTOR  
Tetrapolar  
2 Pisos



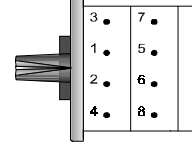
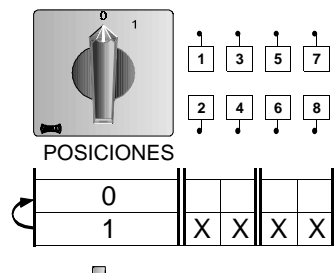
**B-204** INTERRUPTOR  
Unipolar con retorno a "0"  
1 Piso



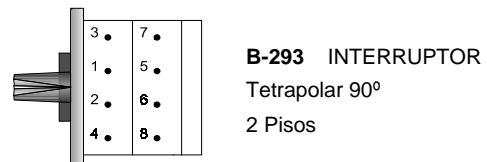
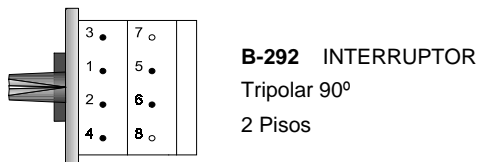
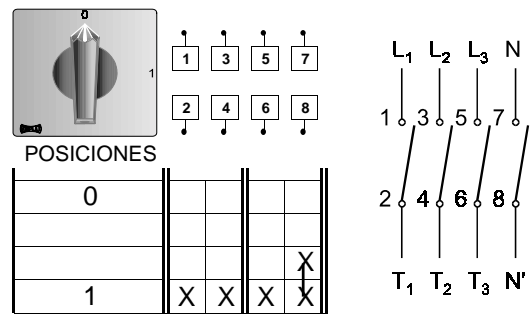
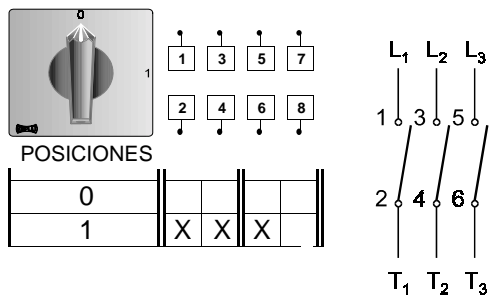
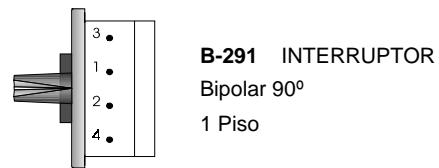
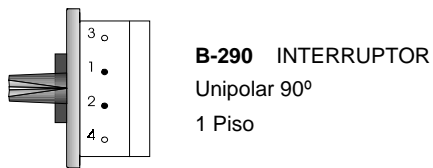
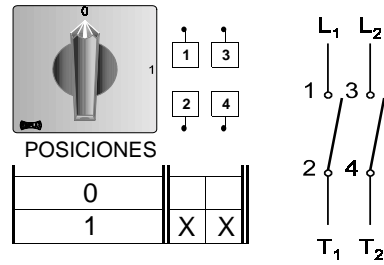
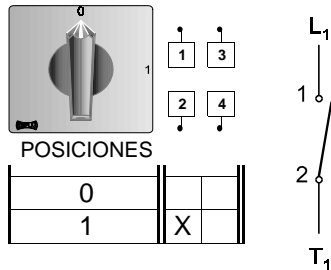
**B-205** INTERRUPTOR  
Bipolar con retorno a "0"  
1 Piso



**B-206** INTERRUPTOR  
Tripolar con retorno a "0"  
2 Pisos



**B-207** INTERRUPTOR  
Tetrapolar con retorno a "0"  
2 Pisos



Cuando el interruptor sea de más de cuatro polos, se añadirá el número de éstos a la referencia del unipolar

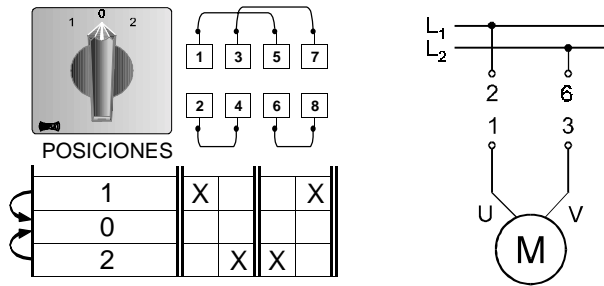
Ejemplo: Interruptor de 7 polos.  
Se pedirá:

INTERRUPTOR B-200/7

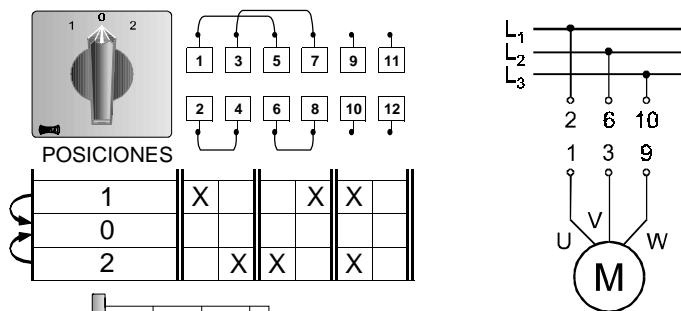
El número máximo de polos es 24. Para un mayor número de polos consútenos.



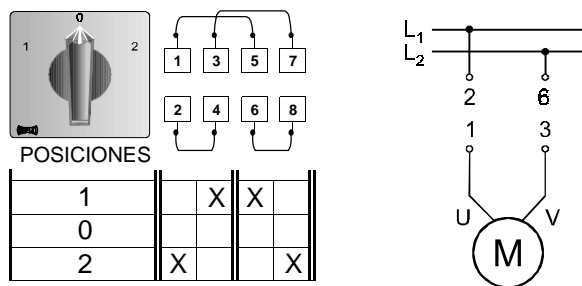
# INVERSORES



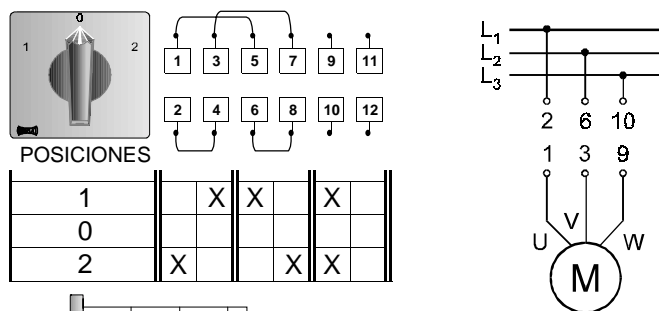
**B-227 INVERSOR**  
Bipolar con retorno a "0"  
2 Pisos



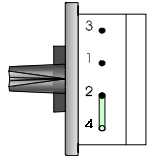
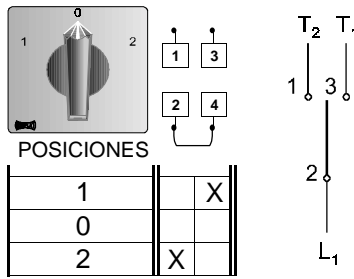
**B-228 INVERSOR**  
Tripolar con retorno a "0"  
3 Pisos



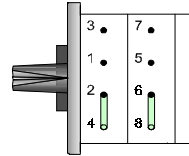
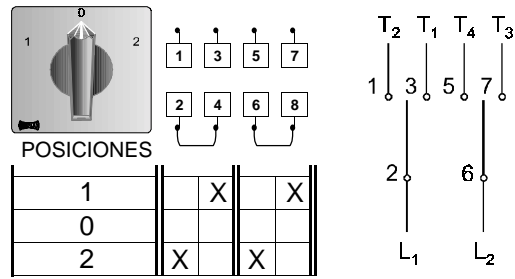
**B-400 INVERSOR**  
Bipolar  
2 Pisos



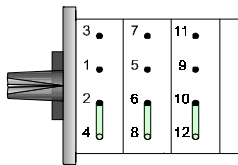
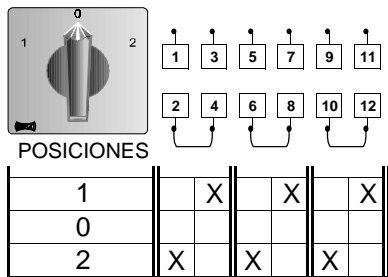
**B-401 INVERSOR**  
Tripolar  
3 Pisos



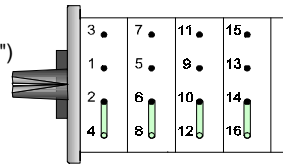
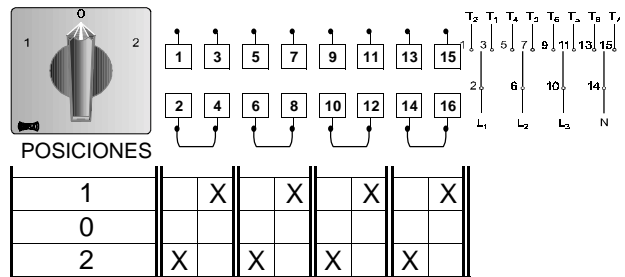
**B-210** CONMUTADOR (con "0")  
Unipolar  
1 Piso



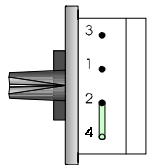
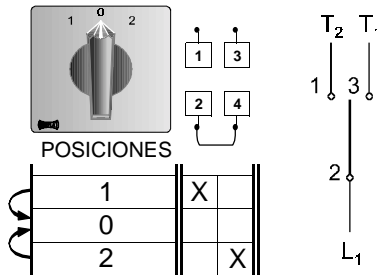
**B-211** CONMUTADOR (con "0")  
Bipolar  
2 Pisos



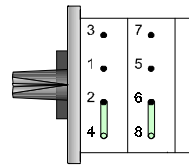
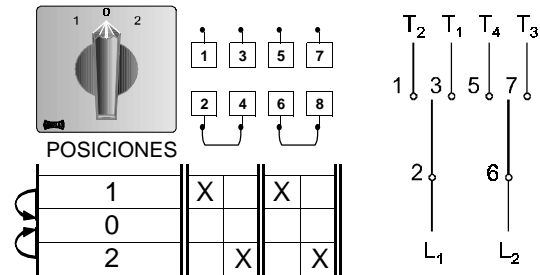
**B-212** CONMUTADOR (con "0")  
Tripolar  
3 Pisos



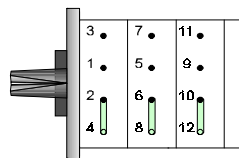
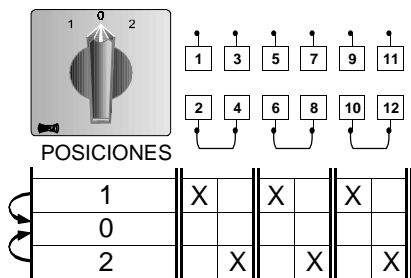
**B-213** CONMUTADOR (con "0")  
Tetrapolar  
4 Pisos



**B-214** CONMUTADOR (con "0")  
Unipolar con retorno a "0"  
1 Piso

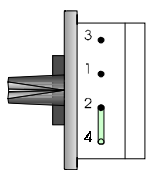
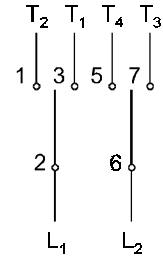
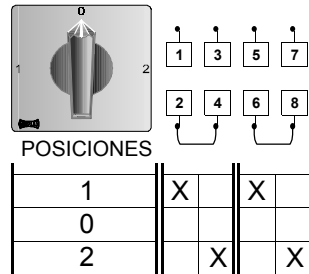
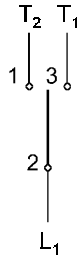
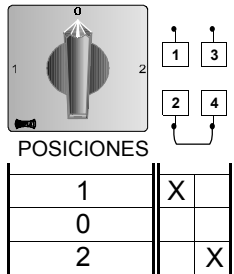


**B-215** CONMUTADOR (con "0")  
Bipolar con retorno a "0"  
2 Pisos

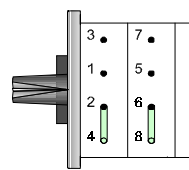


**B-216** CONMUTADOR (con "0")  
Tripolar con retorno a "0"  
3 Pisos

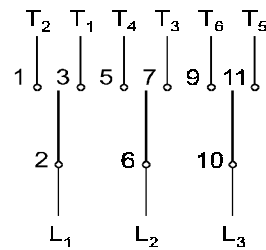
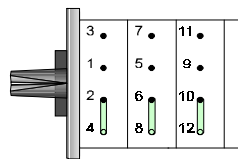
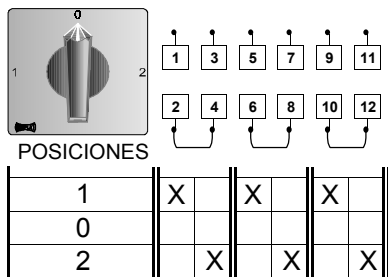
# CONMUTADORES



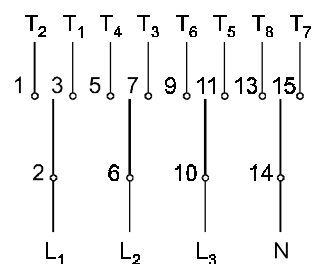
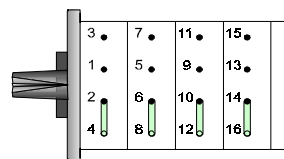
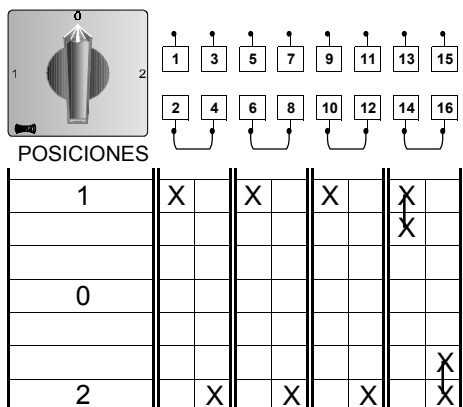
**B-218** CONMUTADOR (con "0")  
Unipolar 90°  
1 Piso



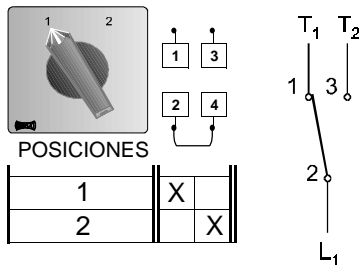
**B-219** CONMUTADOR (con "0")  
Bipolar 90°  
2 Pisos



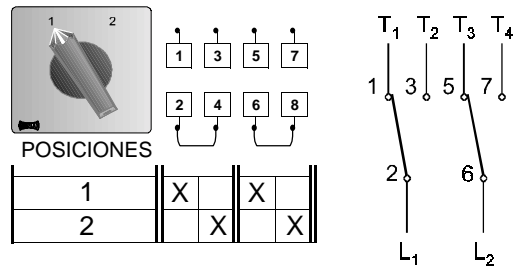
**B-299** CONMUTADOR (con "0")  
Tripolar 90°  
3 Pisos



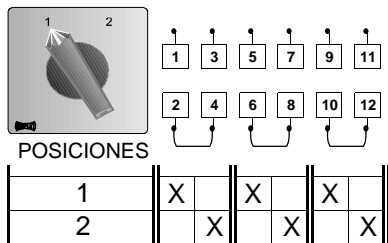
**B-294** CONMUTADOR (con "0")  
Tetrapolar 90°  
4 Pisos



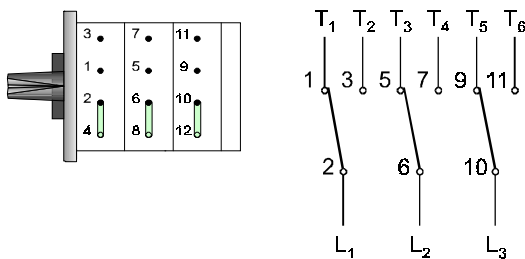
**B-220** CONMUTADOR (sin "0")  
Unipolar  
1 Piso



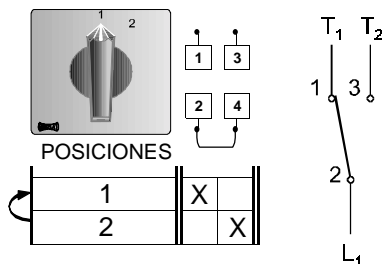
**B-221** CONMUTADOR (sin "0")  
Bipolar  
2 Pisos



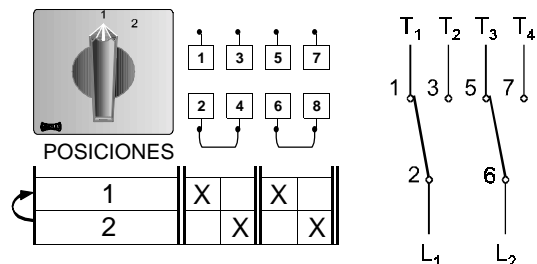
**B-222** CONMUTADOR (sin "0")  
Tripolar  
3 Pisos



**B-223** CONMUTADOR (sin "0")  
Tetrapolar  
4 Pisos

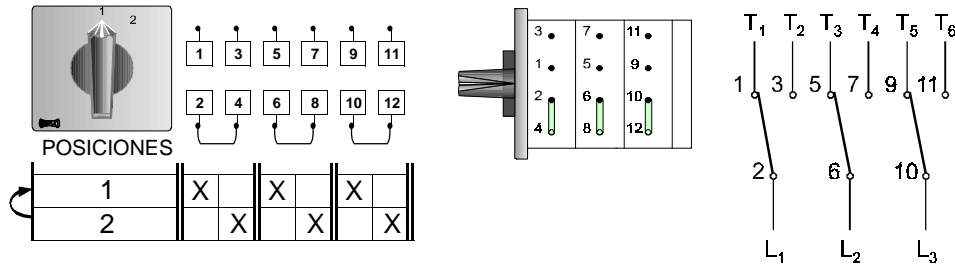


**B-295** CONMUTADOR (sin "0")  
Unipolar con retorno a "1"  
1 Piso

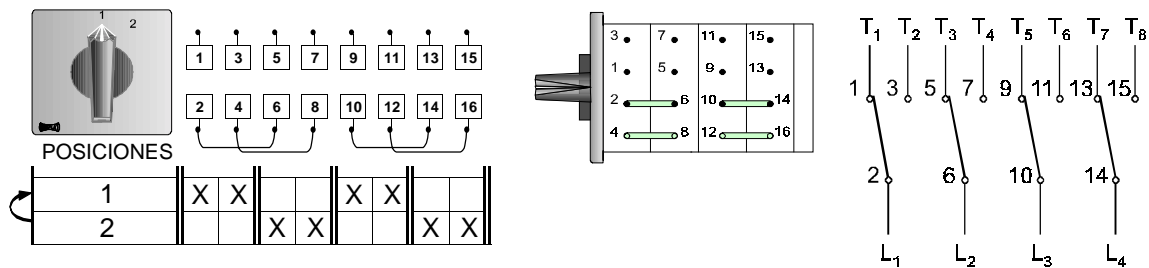


**B-296** CONMUTADOR (sin "0")  
Bipolar con retorno a "1"  
2 Pisos

## CONMUTADORES



**B-297** CONMUTADOR (sin "0")  
 Tripolar con retorno a "1"  
 3 Pisos



**B-298** CONMUTADOR (sin "0")  
 Tetrapolar con retorno a "1"  
 4 Pisos

Cuando el interruptor sea de más de cuatro polos, se añadirá el número de éstos a la referencia del unipolar

Ejemplo: Interruptor de 7 polos con "0".  
 Se pedirá:

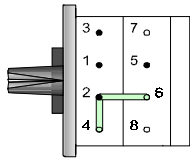
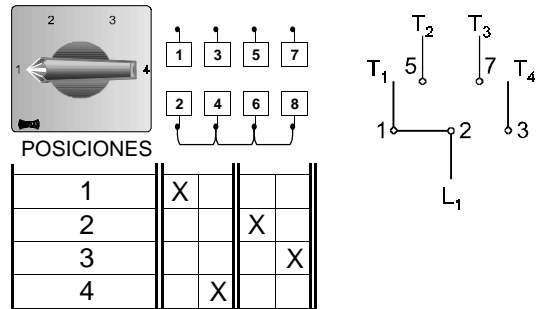
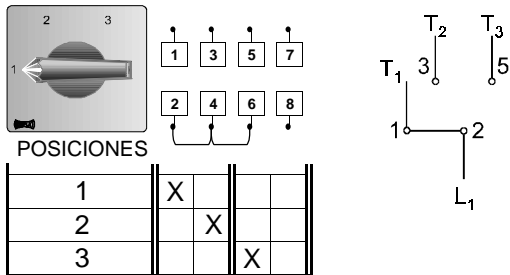
INTERRUPTOR B-210/7

Ejemplo: Interruptor de 7 polos sin "0".  
 Se pedirá:

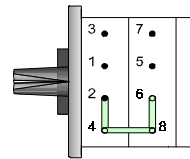
INTERRUPTOR B-220/7

El número máximo de polos es de 12. Para mayor número de polos consúltenos.

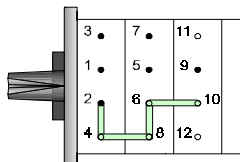
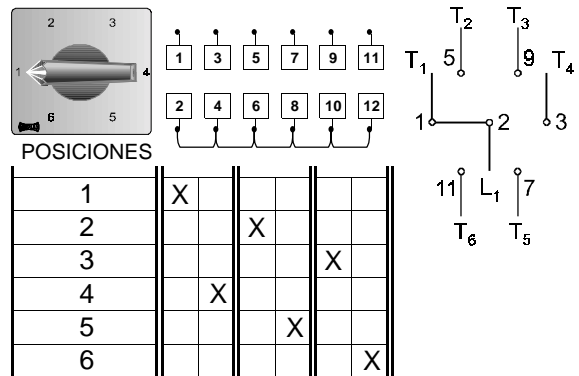
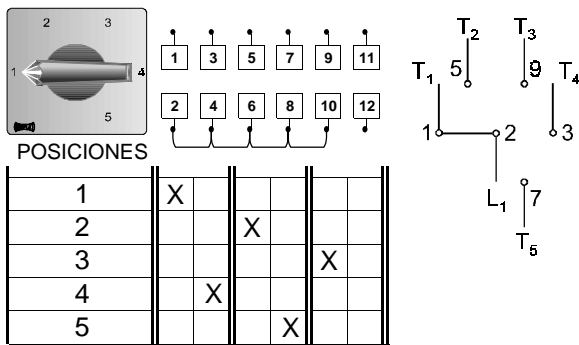
CONMUTADORES DE POSICIONES SIN "0" UNIPOLARES



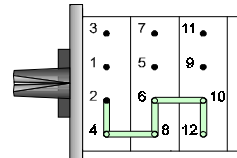
**B-230** CONMUTADOR  
3 Posiciones  
2 Pisos



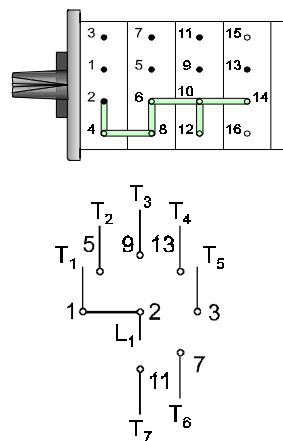
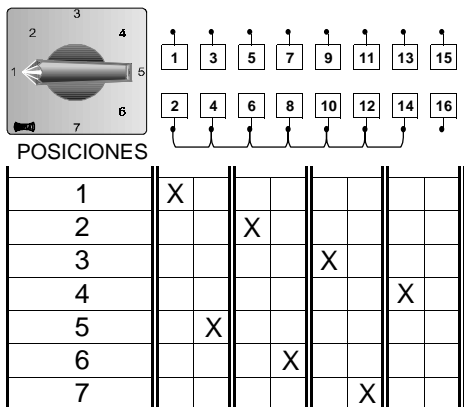
**B-231** CONMUTADOR  
4 Posiciones  
2 Pisos



**B-232** CONMUTADOR  
5 Posiciones  
3 Pisos

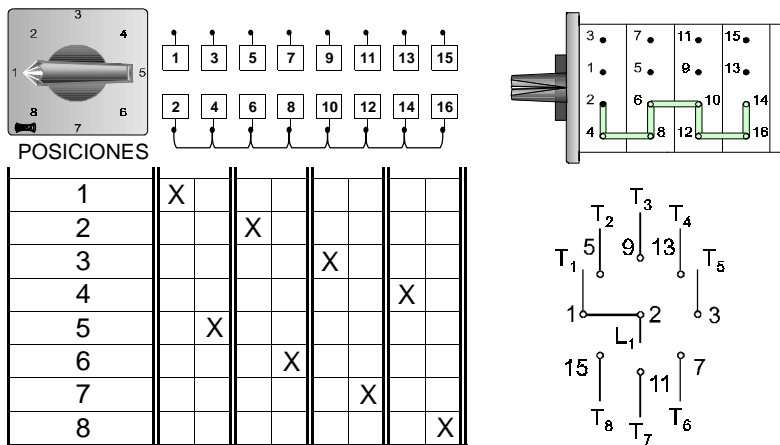


**B-233** CONMUTADOR  
6 Posiciones  
3 Pisos



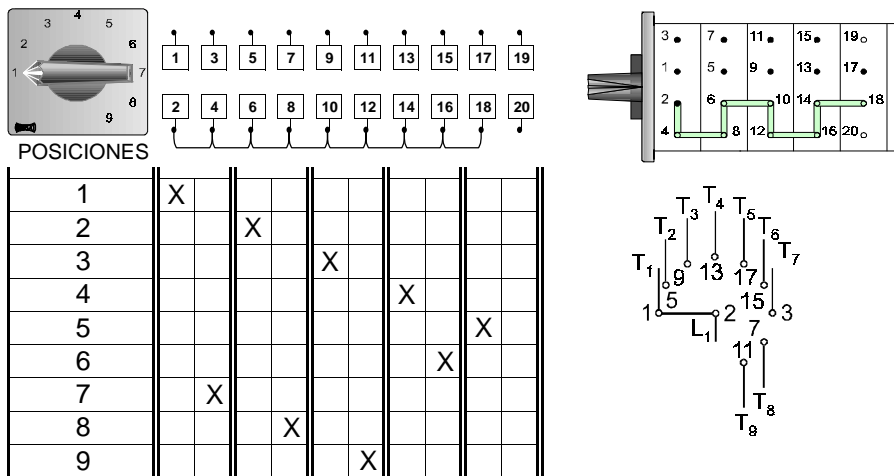
**B-234** CONMUTADOR  
7 Posiciones  
4 Pisos

## CONMUTADORES DE POSICIONES



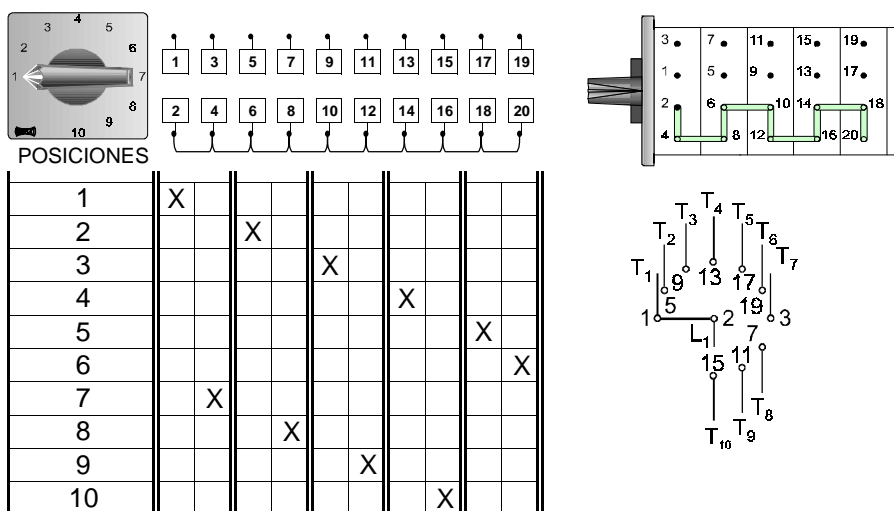
**B-235** CONMUTADOR

8 Posiciones  
4 Pisos



**B-236** CONMUTADOR

9 Posiciones  
5 Pisos

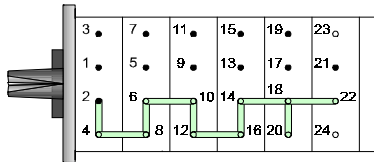
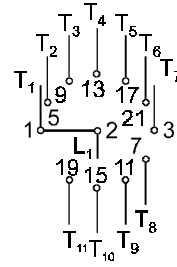
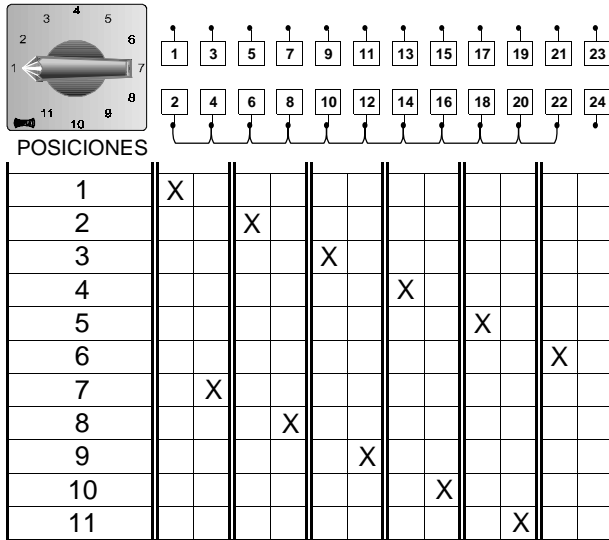


**B-237** CONMUTADOR

10 Posiciones  
5 Pisos



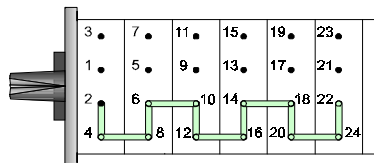
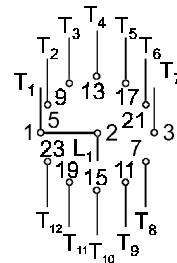
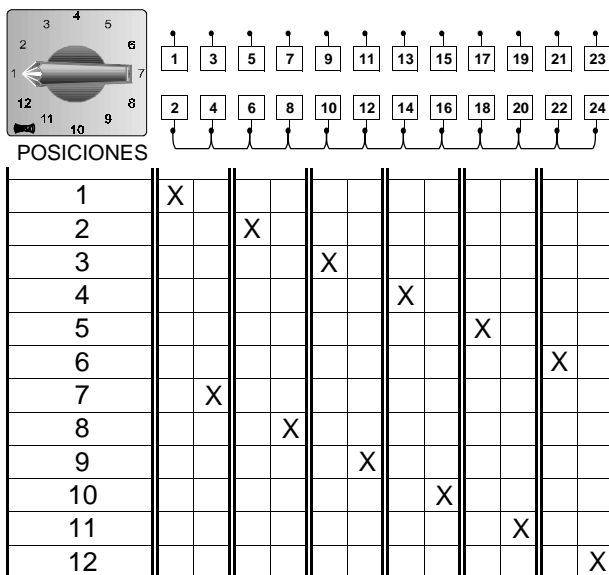
## CONMUTADORES DE POSICIONES



**B-238** CONMUTADOR

11 Posiciones

6 Pisos



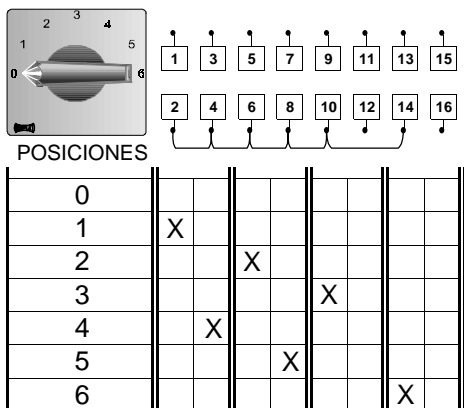
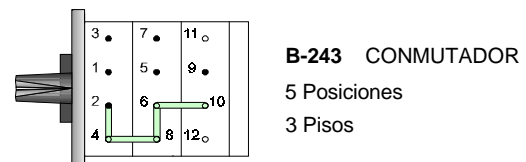
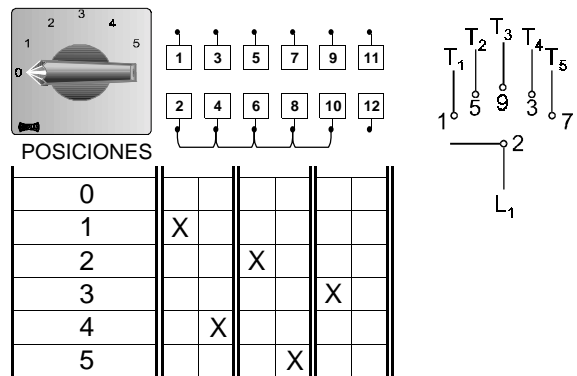
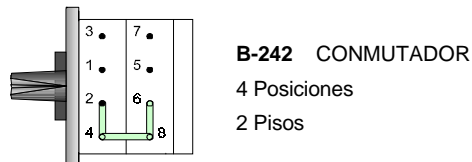
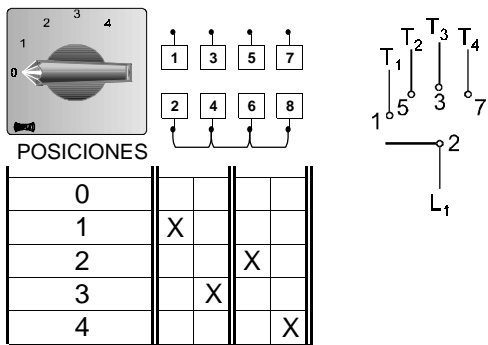
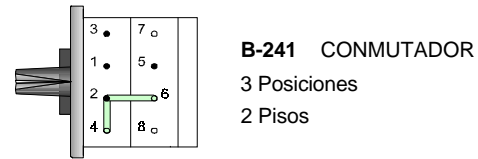
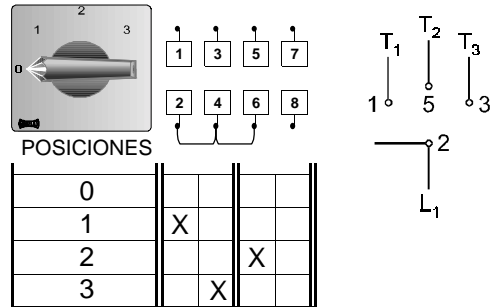
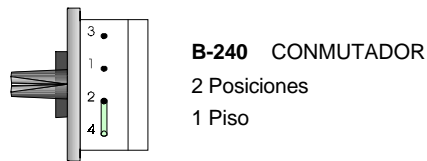
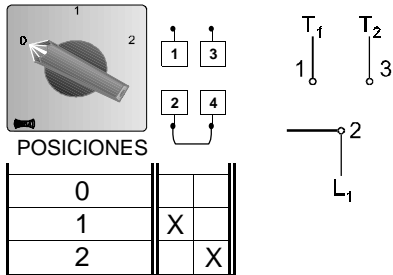
**B-239** CONMUTADOR

12 Posiciones

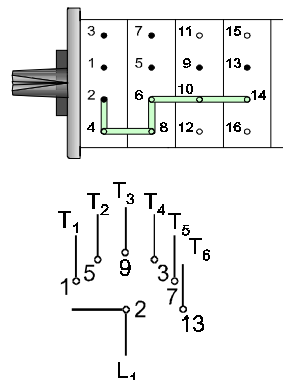
6 Pisos

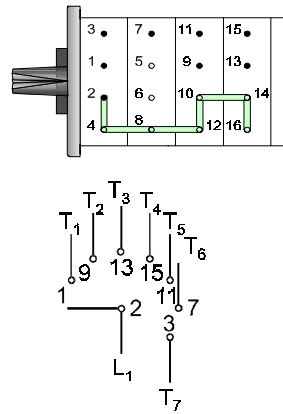
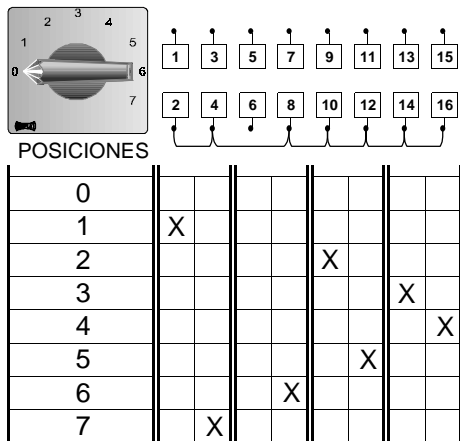


CONMUTADORES DE POSICIONES CON "0" UNIPOLARES



**B-244 CONMUTADOR**  
6 Posiciones  
4 Pisos

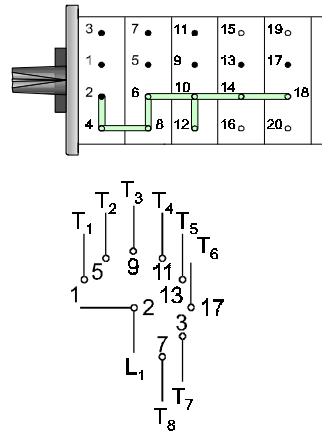
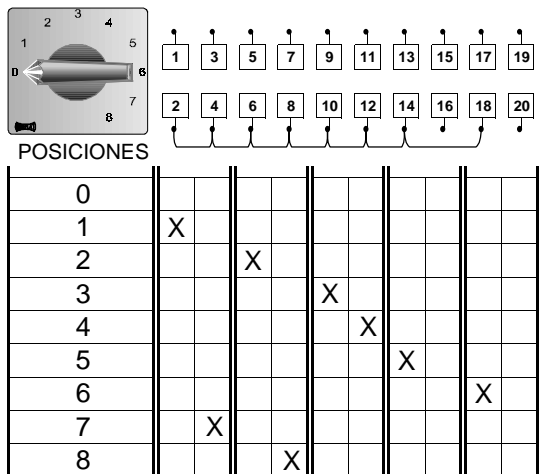




**B-245** CONMUTADOR

7 Posiciones

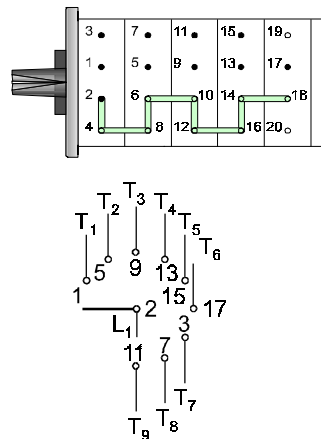
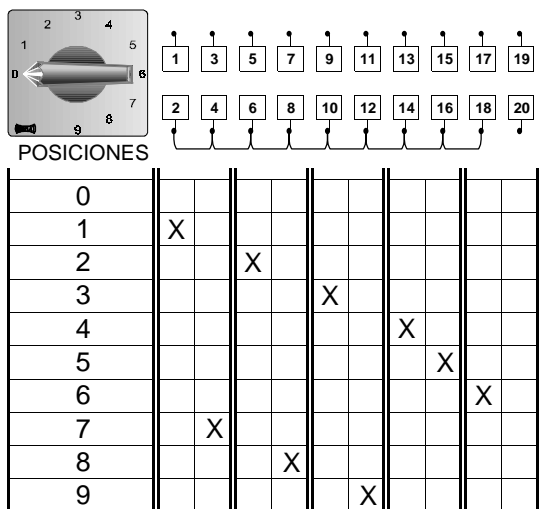
4 Pisos



**B-246** CONMUTADOR

8 Posiciones

5 Pisos

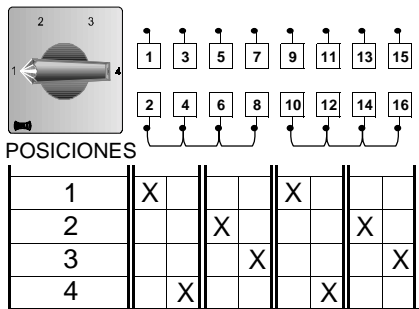


**B-247** CONMUTADOR

9 Posiciones

5 Pisos

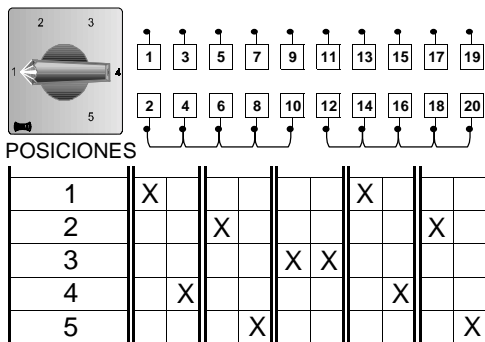
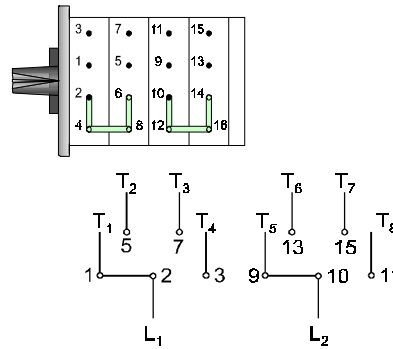




**B-251 CONMUTADOR**

4 Posiciones

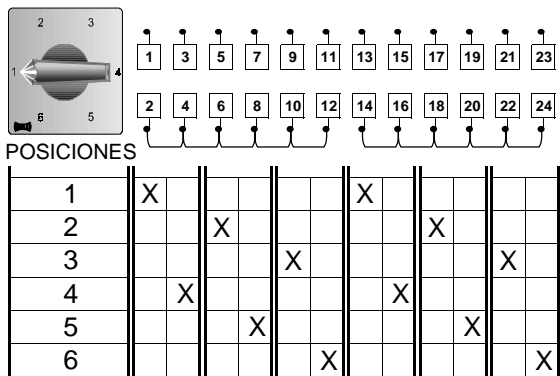
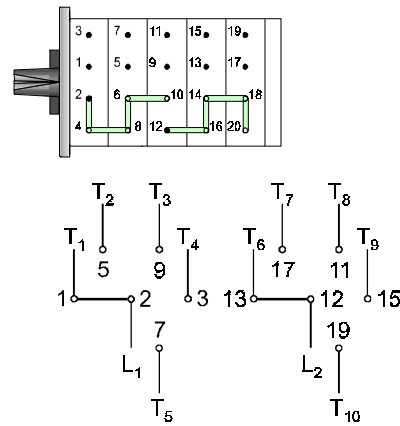
4 Pisos



**B-252 CONMUTADOR**

5 Posiciones

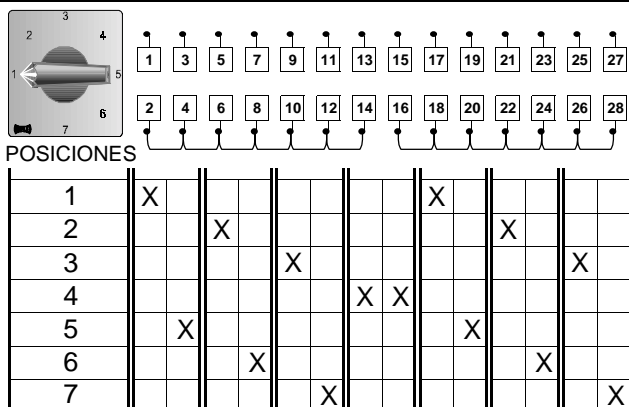
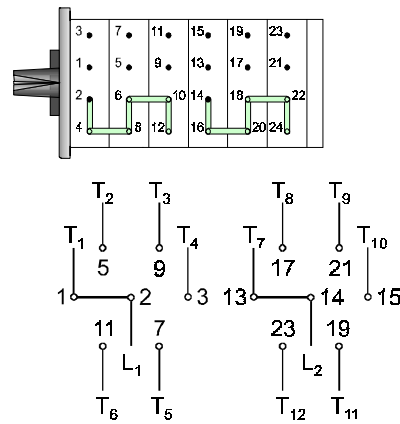
5 Pisos



**B-253 CONMUTADOR**

6 Posiciones

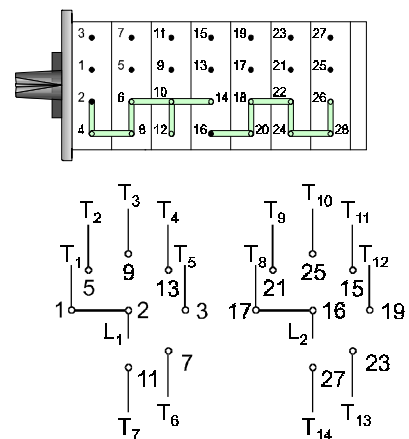
6 Pisos



**B-254 CONMUTADOR**

7 Posiciones

7 Pisos



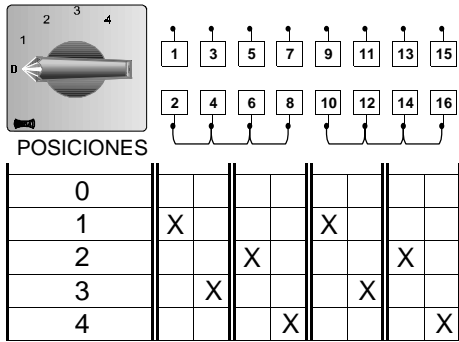








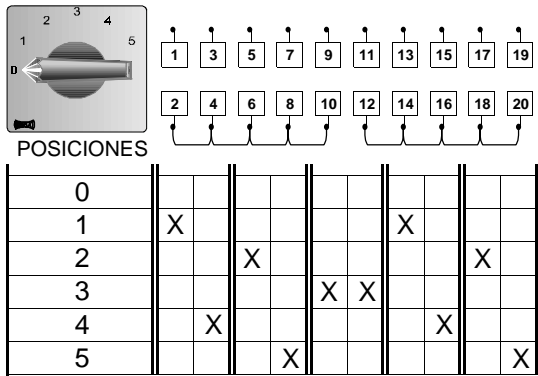
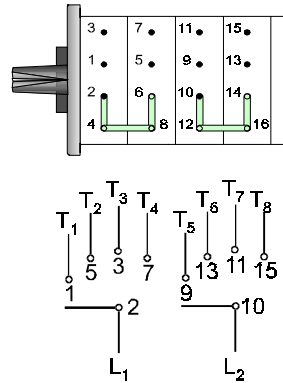
## CONMUTADORES DE POSICIONES



**B-262** CONMUTADOR

4 Posiciones

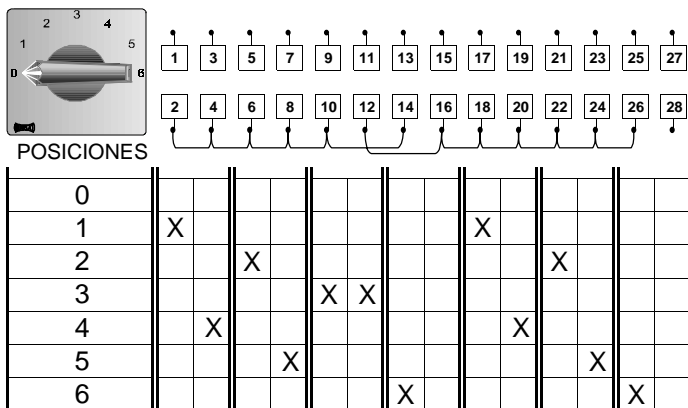
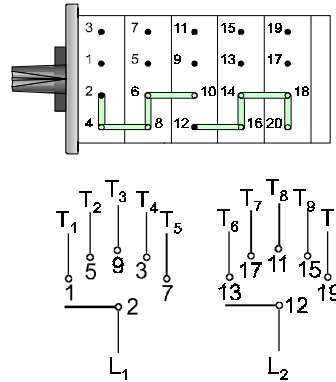
4 Pisos



**B-263** CONMUTADOR

5 Posiciones

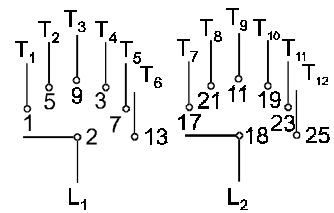
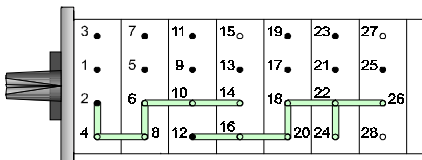
5 Pisos



**B-264** CONMUTADOR

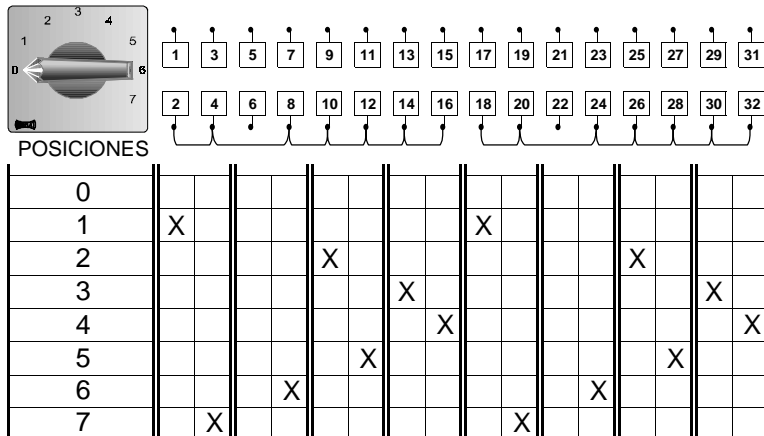
6 Posiciones

7 Pisos

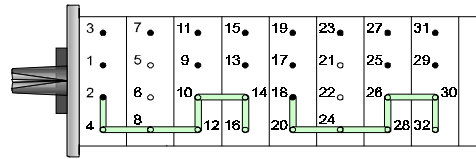
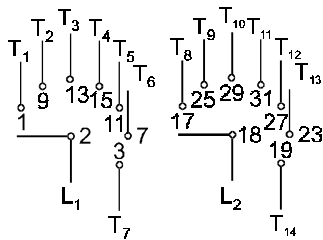




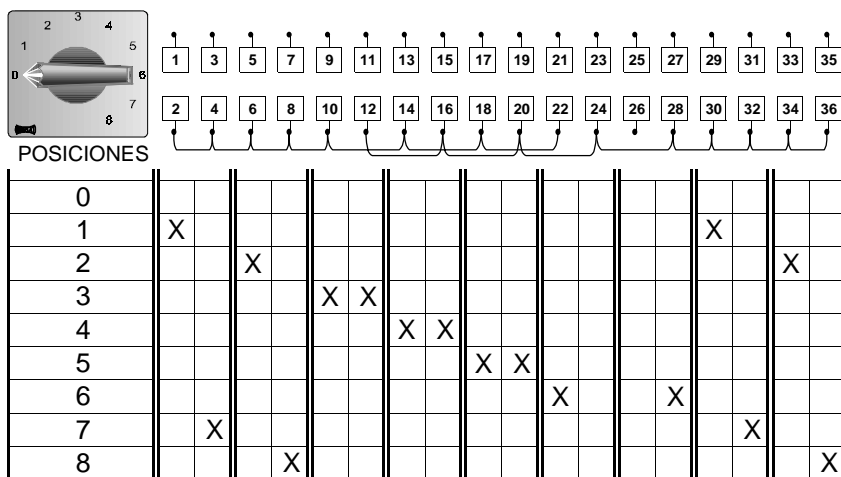
# CONMUTADORES DE POSICIONES



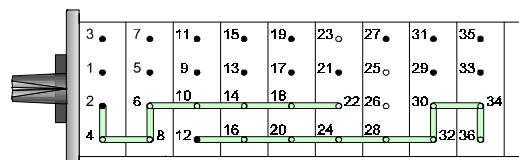
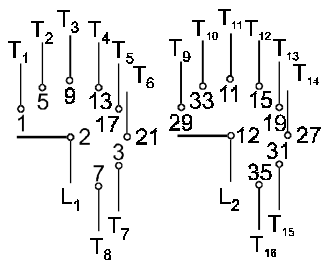
POSICIONES	1	2	3	4	5	6	7
0							
1	X					X	
2			X				X
3				X			X
4					X		X
5			X				X
6		X				X	
7	X						X



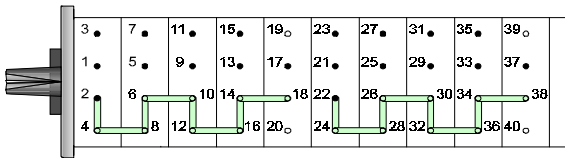
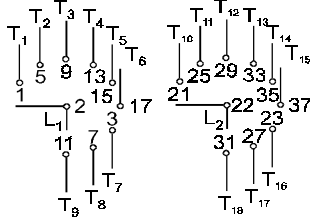
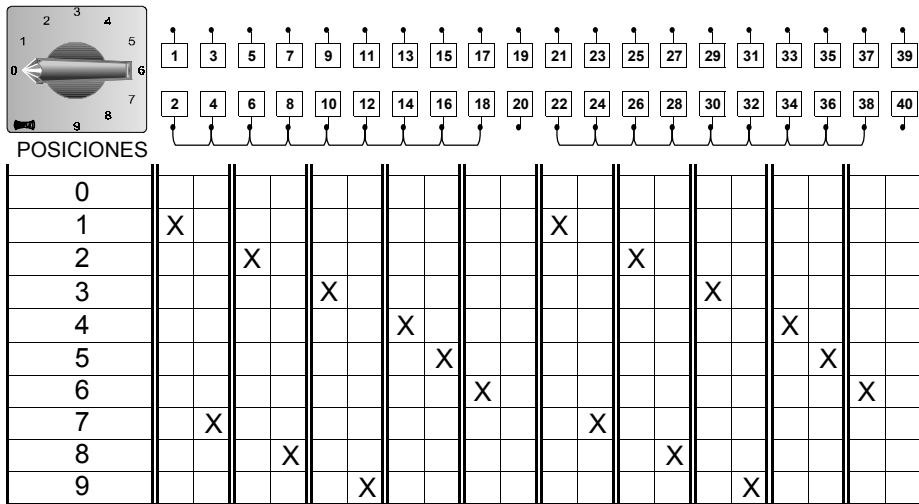
**B-265 CONMUTADOR**  
7 Posiciones  
8 Pisos



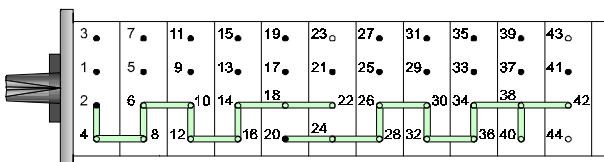
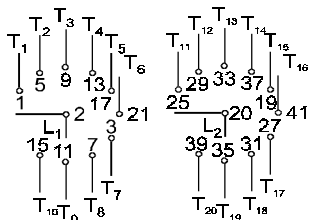
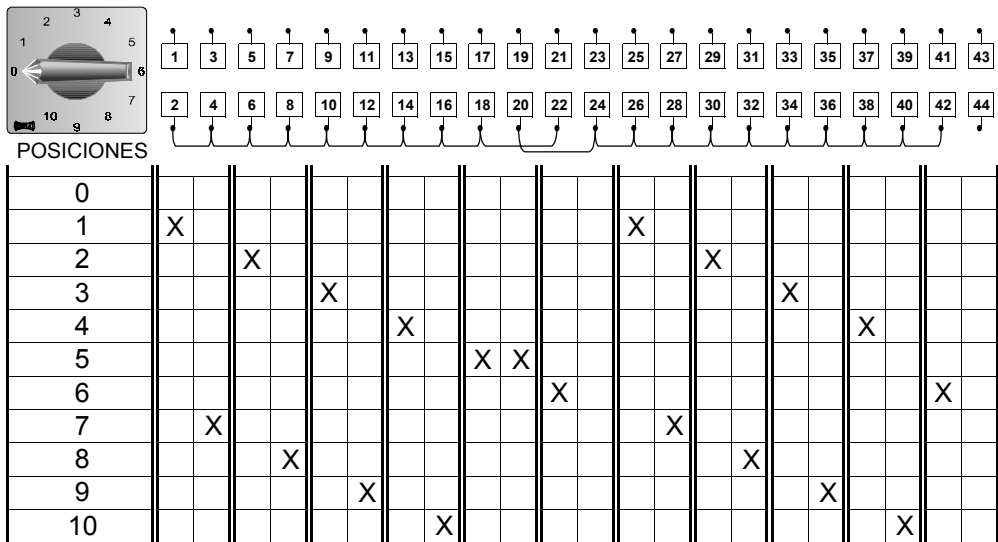
POSICIONES	1	2	3	4	5	6	7	8
0								
1	X							X
2		X						X
3			X	X				
4				X	X			
5					X	X		
6						X	X	
7	X							X
8		X						X



**B-266 CONMUTADOR**  
8 Posiciones  
9 Pisos



**B-267** CONMUTADOR  
9 Posiciones  
10 Pisos



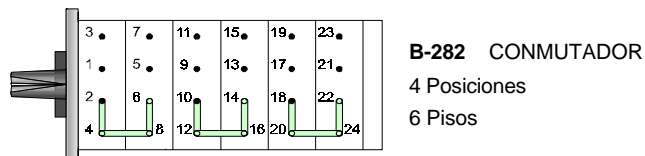
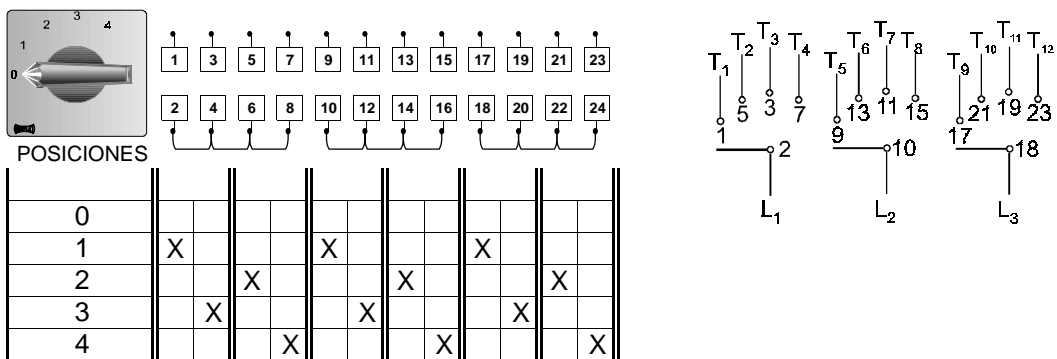
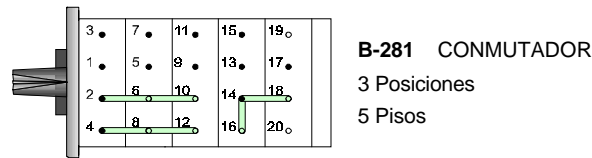
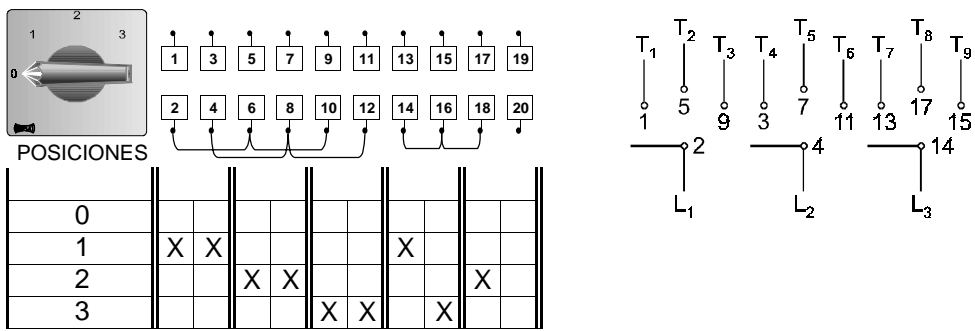
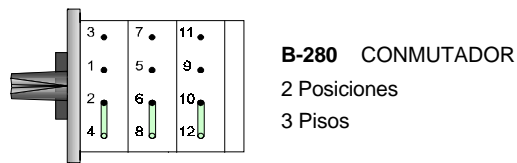
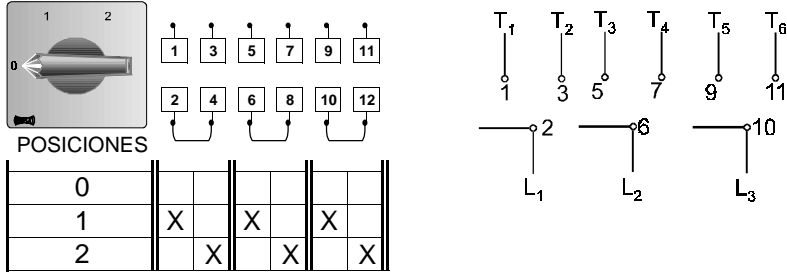
**B-268** CONMUTADOR  
10 Posiciones  
11 Pisos







CONMUTADORES DE POSICIONES CON "0" TRIPOLARES

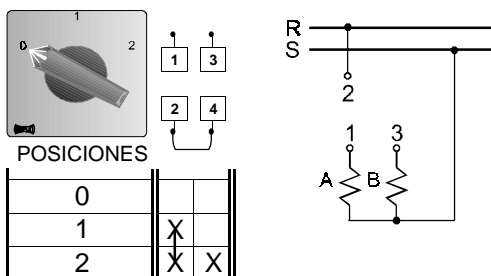




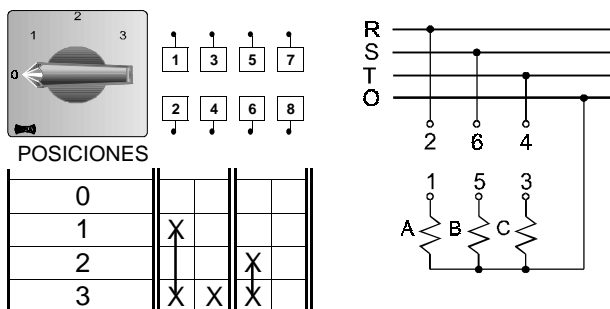




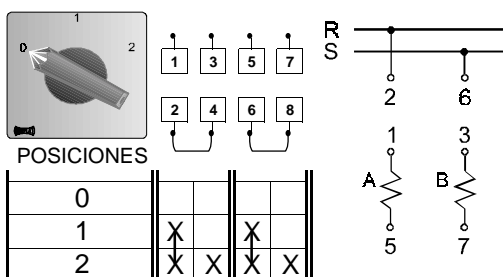
# CONMUTADORES DE GRUPO



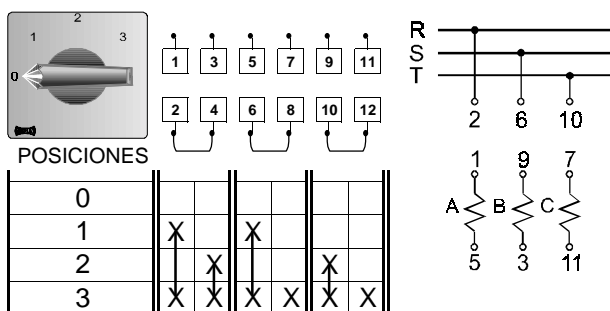
**B-310** CONMUTADOR  
2 Grupos unipolar  
1 Piso



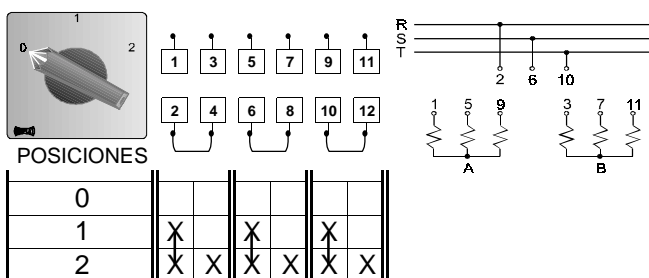
**B-311** CONMUTADOR  
3 Grupos unipolar  
2 Pisos



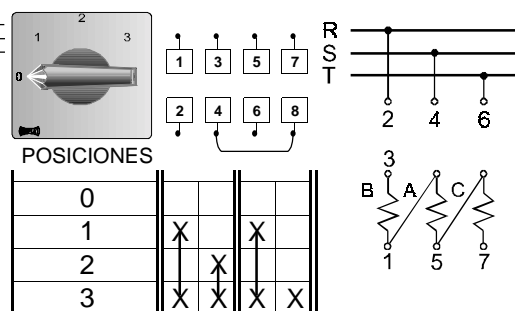
**B-312** CONMUTADOR  
2 Grupos bipolar  
2 Pisos



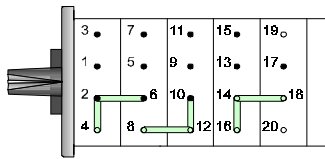
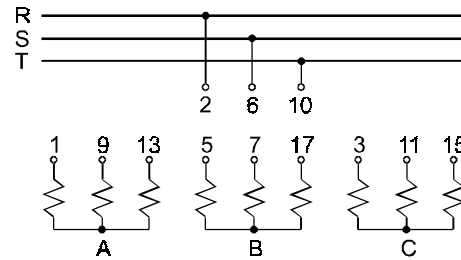
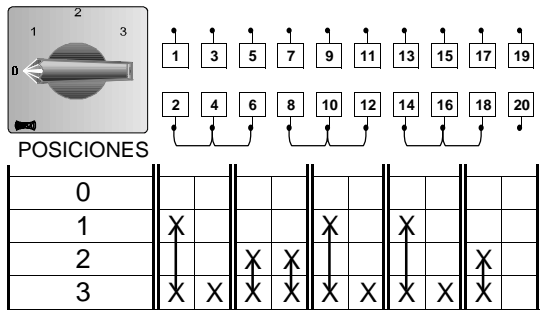
**B-313** CONMUTADOR  
3 Grupos tripolar  
3 Pisos



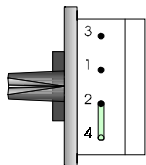
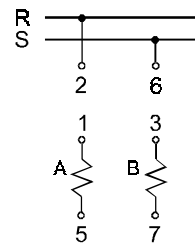
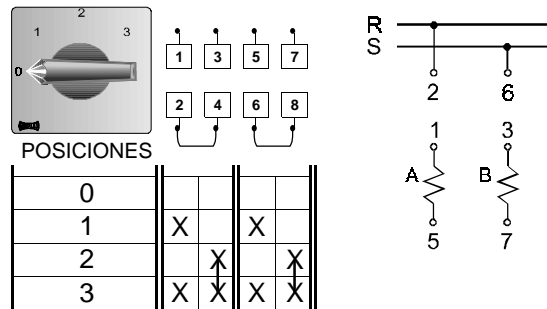
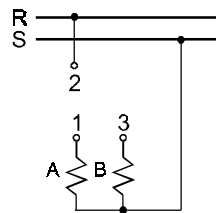
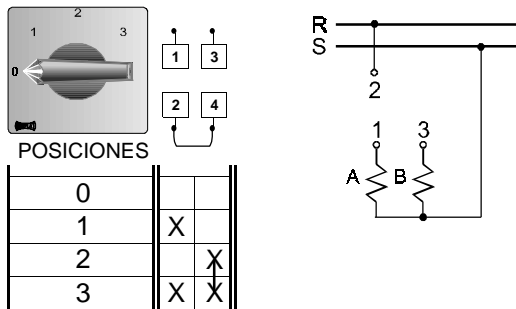
**B-314** CONMUTADOR  
2 Grupos tripolar  
3 Pisos



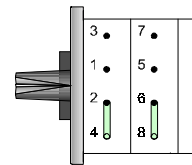
**B-316** CONMUTADOR  
3 Grupos estrella triángulo  
2 Pisos



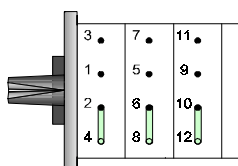
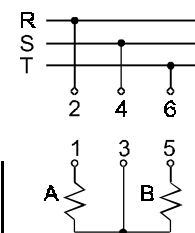
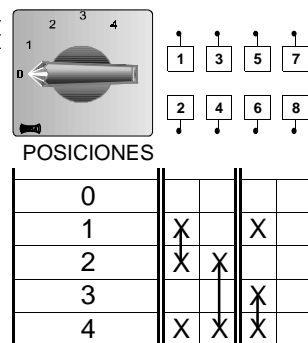
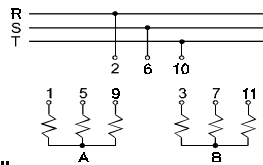
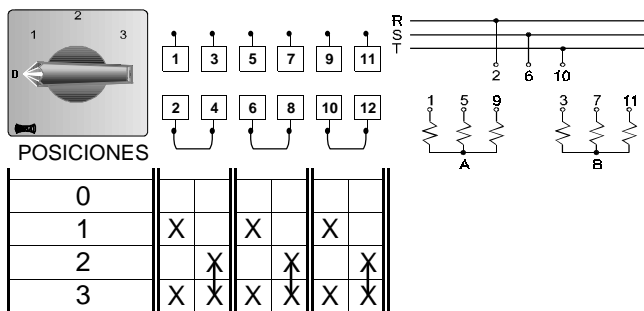
**B-315** CONMUTADOR  
3 Grupos tripolar  
5 Pisos



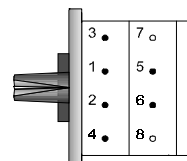
**B-330** CONMUTADOR  
2 Grupos serie unipolar  
1 Piso



**B-331** CONMUTADOR  
2 Grupos serie bipolar  
2 Pisos

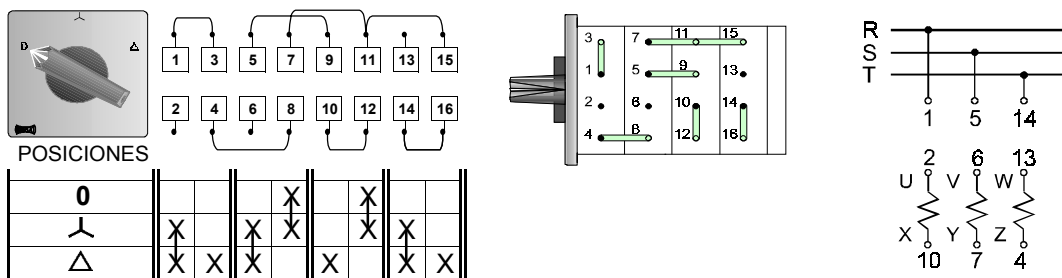


**B-332** CONMUTADOR  
2 Grupos serie tripolar  
3 Pisos

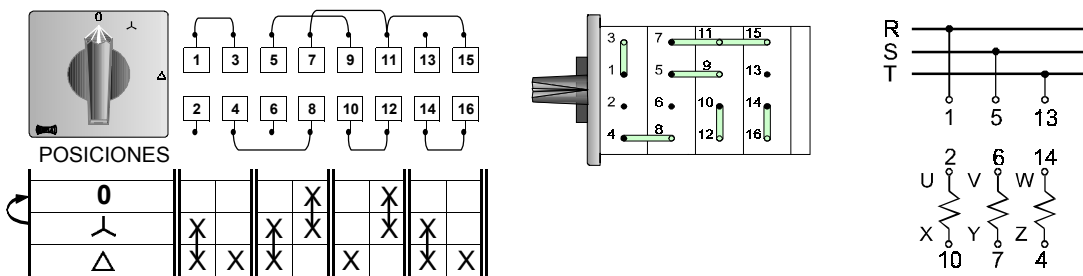


**B-340** CONMUTADOR  
2 Grupos serie paralelo tripolar  
2 Pisos

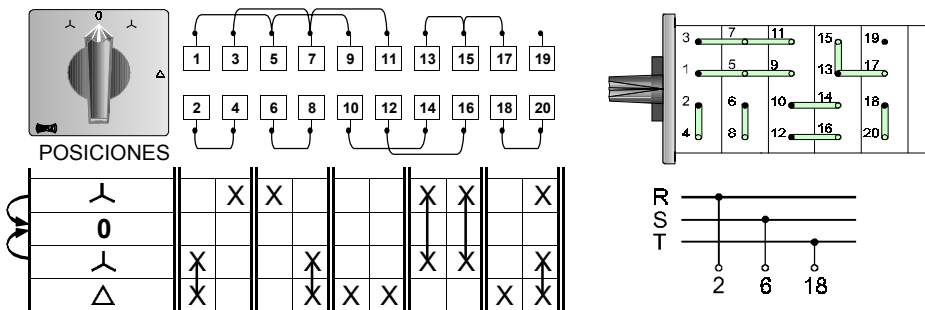
ARRANCADORES ESTRELLA-TRIÁNGULO



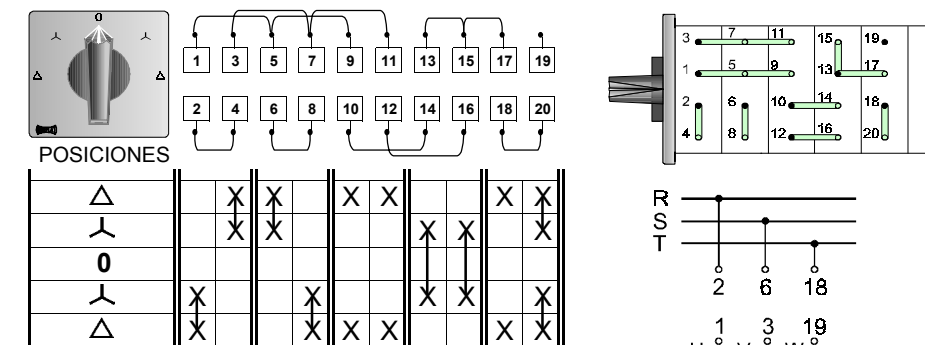
**B-410** ARRANCADOR  
Normal  
4 Pisos



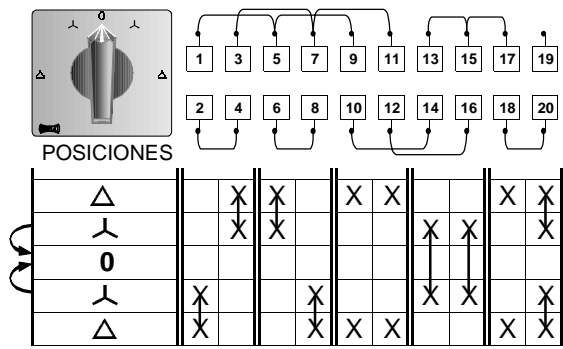
**B-411** ARRANCADOR  
Retorno de estrella a "0"  
4 Pisos



**B-412** ARRANCADOR  
Retorno y posición de freno  
5 Pisos

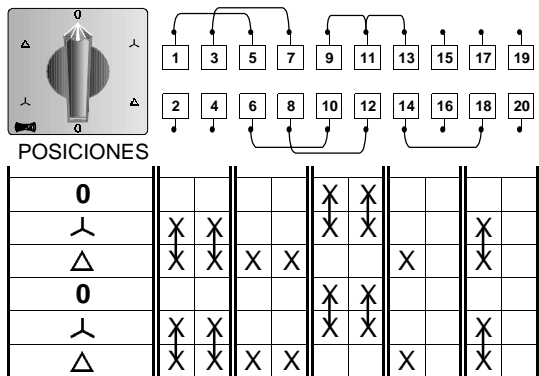
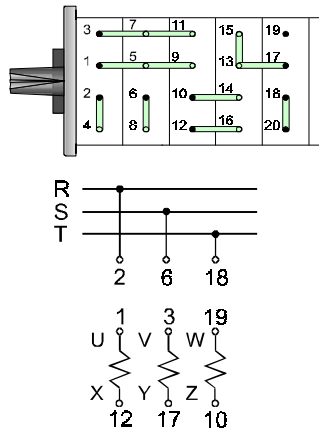


**B-413** ARRANCADOR  
Igual al B-410 con inversión de marcha  
5 Pisos



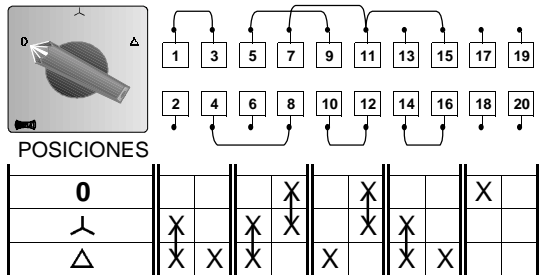
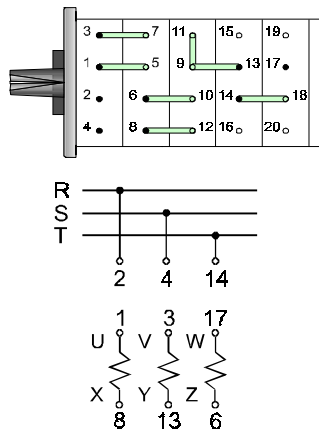
**B-414** ARRANCADOR

Igual al B-413 con retornos de estrella a "0"  
5 Pisos



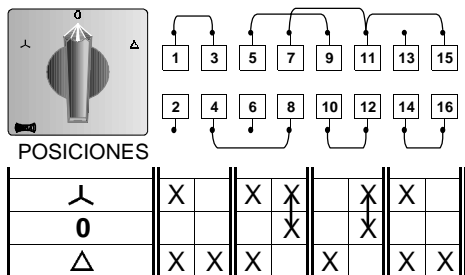
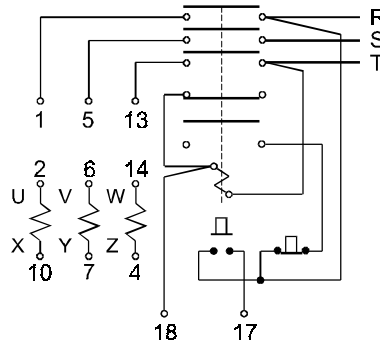
**B-415** ARRANCADOR

Giro en una sola dirección  
5 Pisos



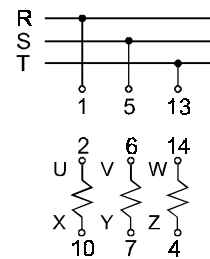
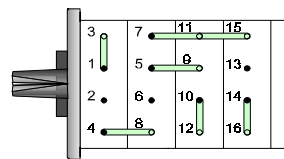
**B-416** ARRANCADOR

Con contactor cerrado en posición "0"  
5 Pisos

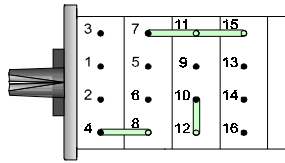
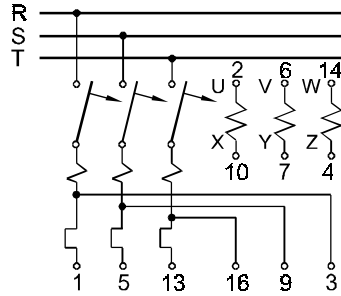
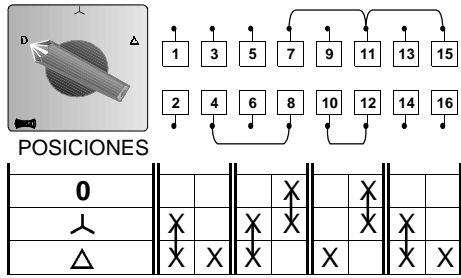


**B-417** ARRANCADOR

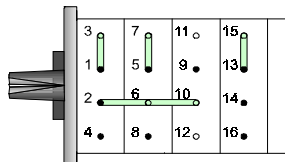
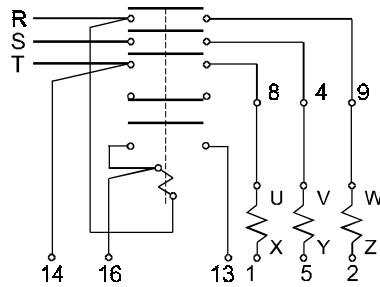
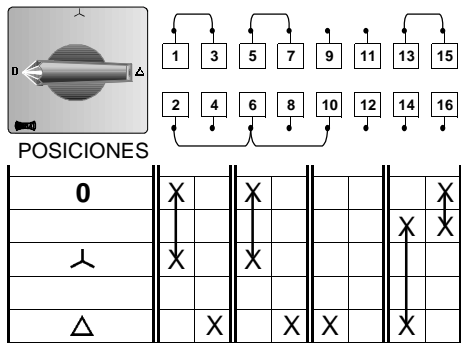
Selector  
4 Pisos



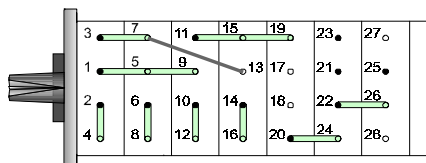
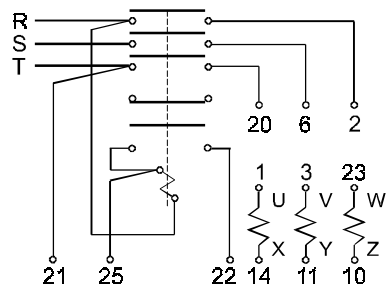
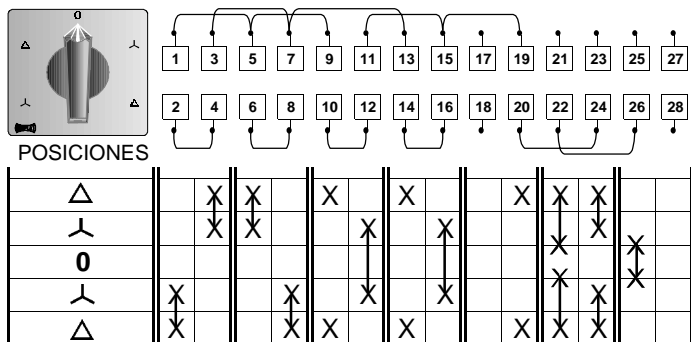
# CONMUTADORES PARA CONTROL DE MOTORES



**B-418 ARRANCADOR**  
 Contactor y protección sobre cargas  
 4 Pisos

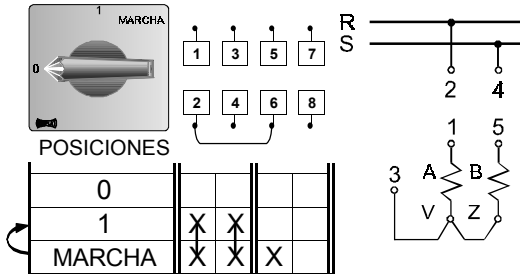


**B-419 ARRANCADORES ESTRELLA-TRIANGULO**  
 Simplificado para contactor  
 4 Pisos

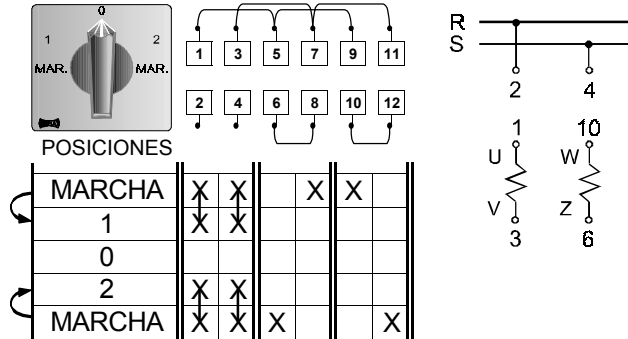


**B-420 ARRANCADOR**  
 Con contactores inversión de marcha  
 7 Pisos

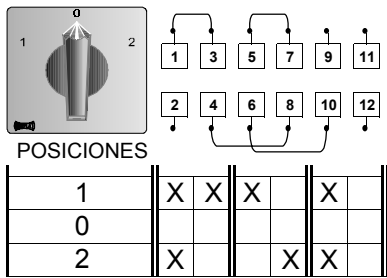
ARRANCADORES PARA MOTORES FASE PARTIDA



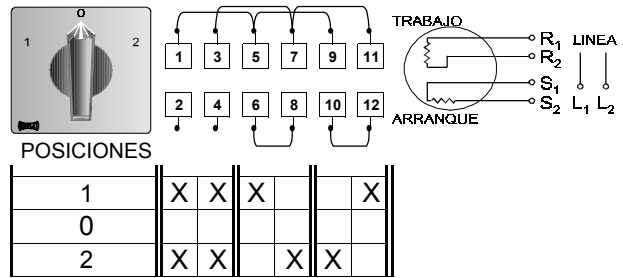
**B-425** ARRANCADOR  
Arranque y retorno de marcha a "1".  
2 Pisos



**B-426** ARRANCADOR  
Igual al B-425 con inversor  
3 Pisos

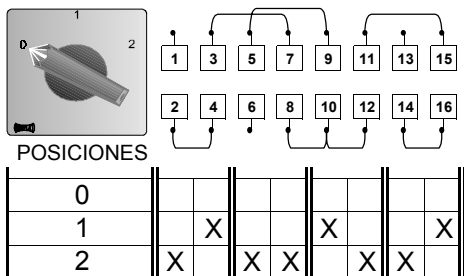


**B-427** ARRANCADOR  
Arranque a 125 V ó 220 V.  
3 Pisos

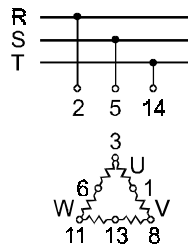


**B-622** ARRANCADOR  
Motor monofásico con inversión  
3 Pisos

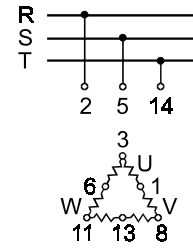
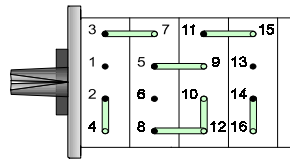
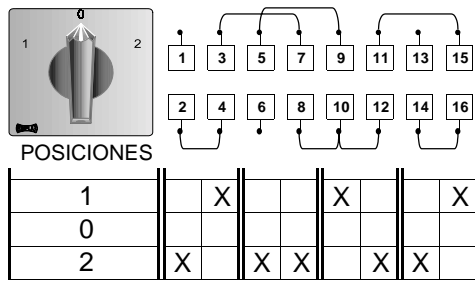
CONMUTADORES DE POLOS 2 VELOCIDADES



**B-440** CONMUTADOR  
1 Devanado 0-1-2  
4 Pisos

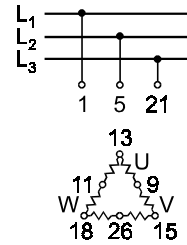
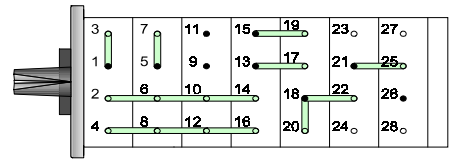
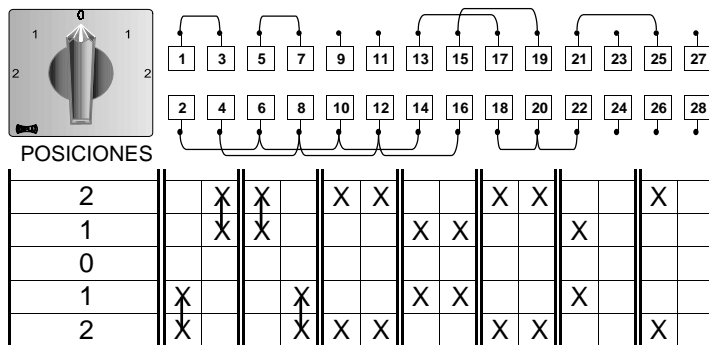


# CONMUTADORES PARA CONTROL DE MOTORES



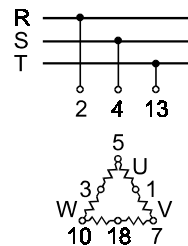
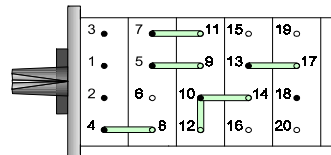
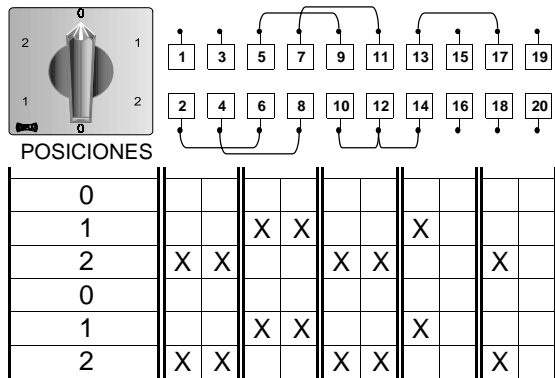
**B-441** CONMUTADOR

1 Devanado 1-0-2  
4 Pisos



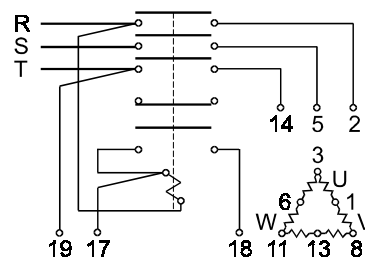
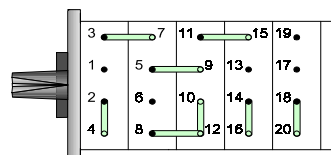
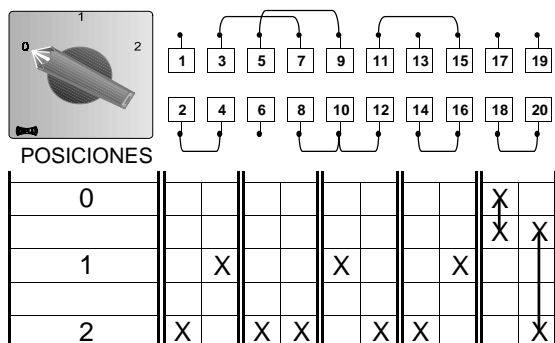
**B-442** CONMUTADOR

1 Bobinado con inversión de marcha  
7 Pisos



**B-443** CONMUTADOR

1 Devanado, giro unidireccional del mando  
5 Pisos

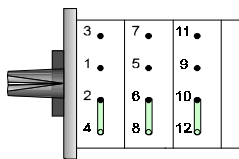
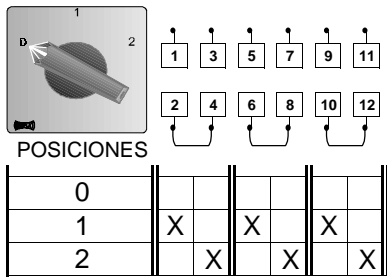


**B-444** CONMUTADOR

1 Devanado para contactores  
5 Pisos

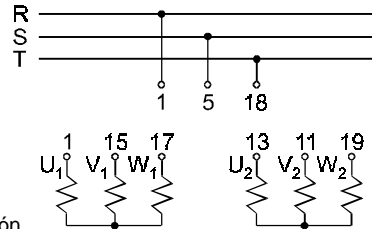
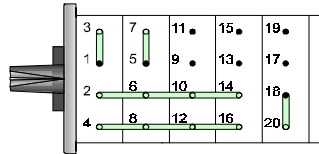
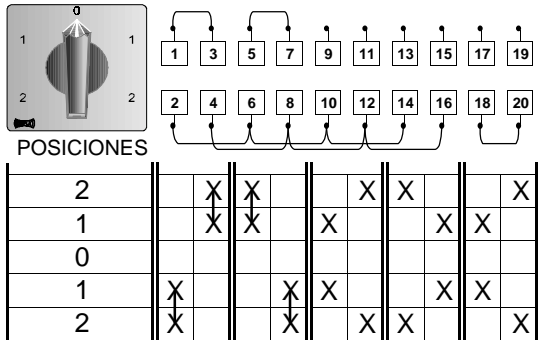
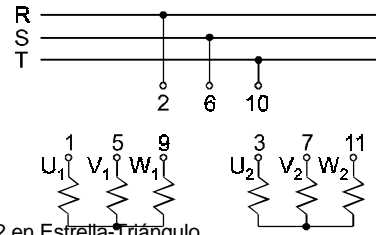






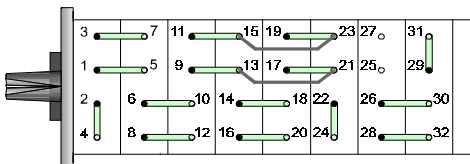
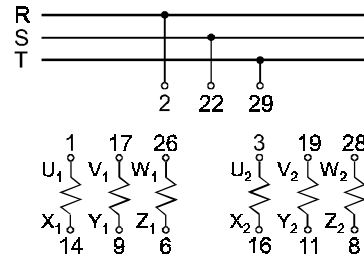
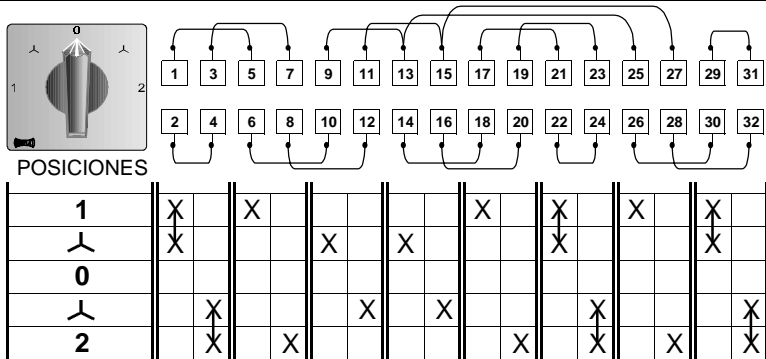
**B-451 CONMUTADOR**

2 velocidades 2 devanados 0-1-2 en Estrella-Triángulo  
3 Pisos



**B-453 CONMUTADOR**

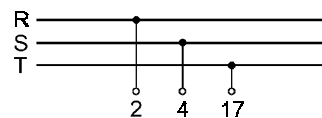
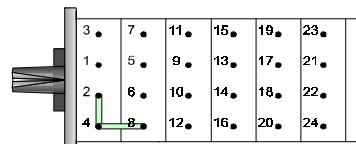
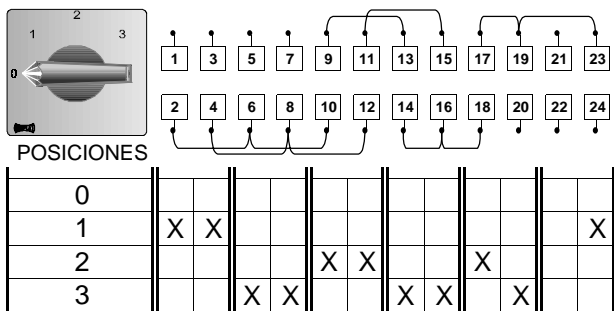
2 Velocidades 2 Devanados 0-1-2 en estrella/Triángulo con Inversión  
5 Pisos



**B-454 CONMUTADOR**

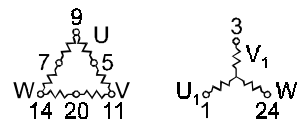
2 velocidades 2 devanados 0-Estrella-Triángulo  
8 Pisos

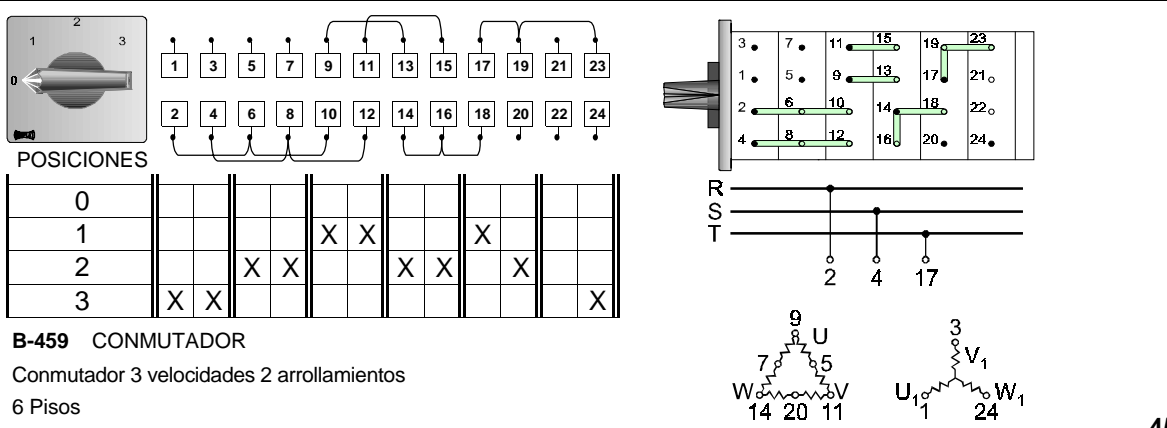
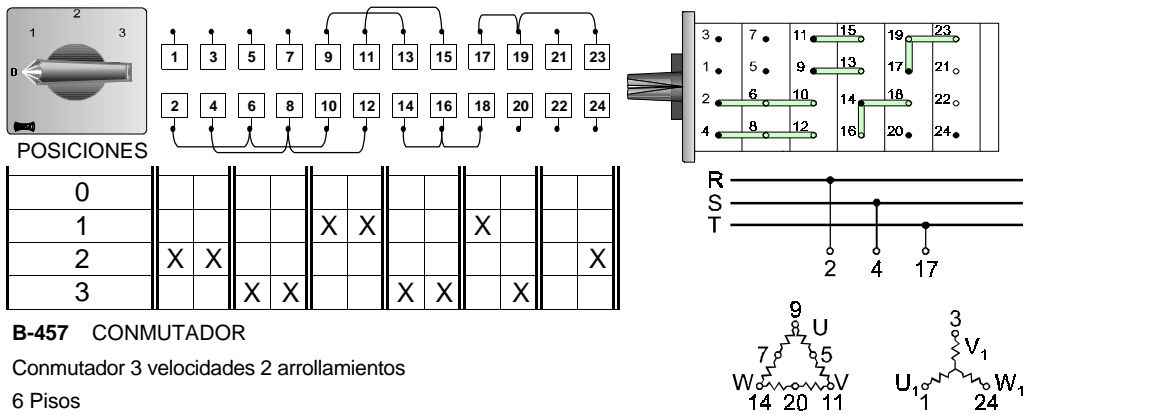
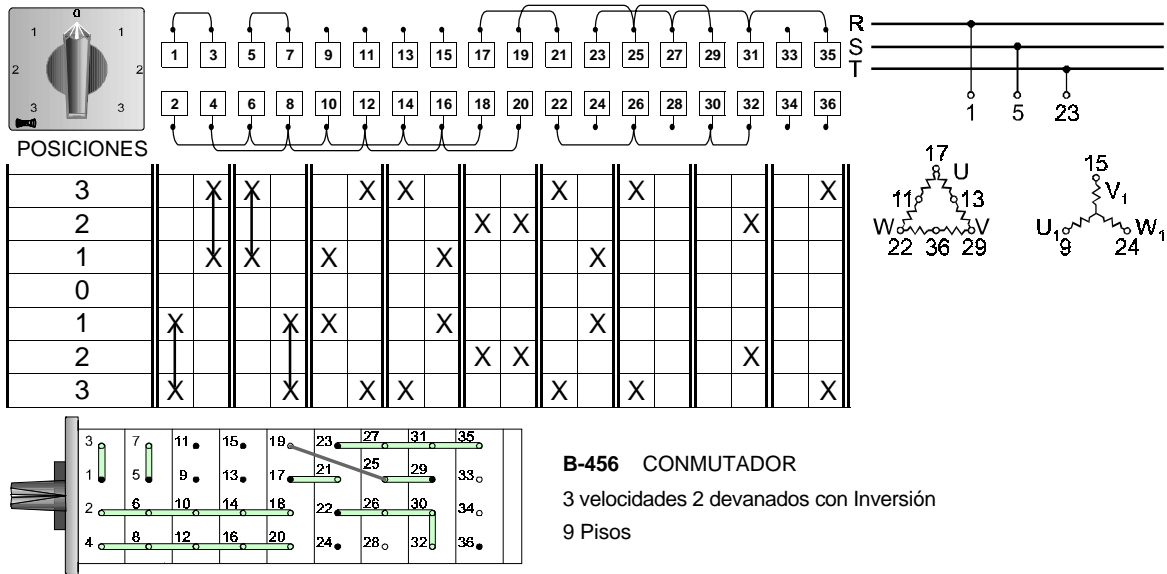
CONMUTADORES DE POLOS 3 VELOCIDADES



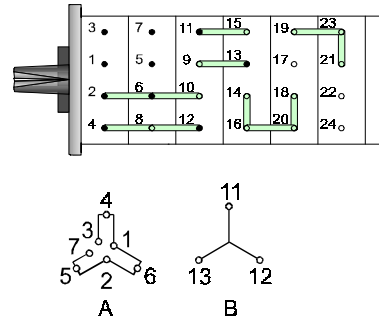
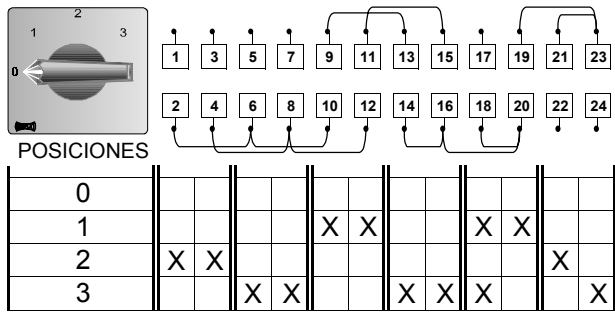
**B-455 CONMUTADOR**

3 velocidades 2 devanados 0-1-2-3  
6 Pisos

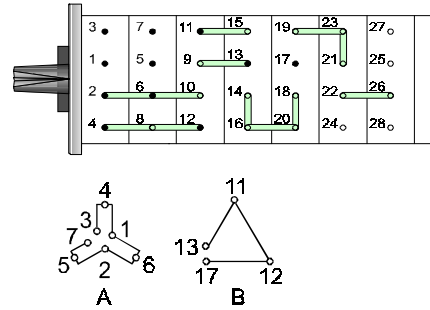
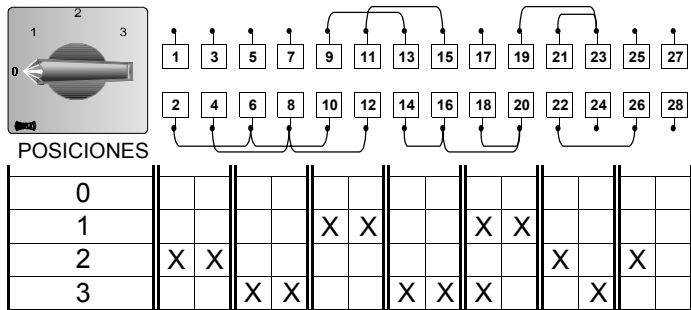




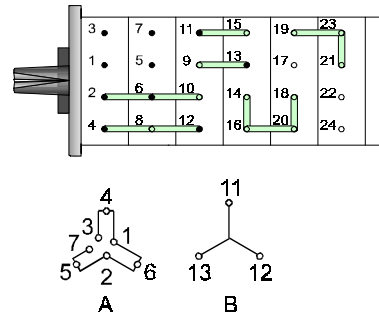
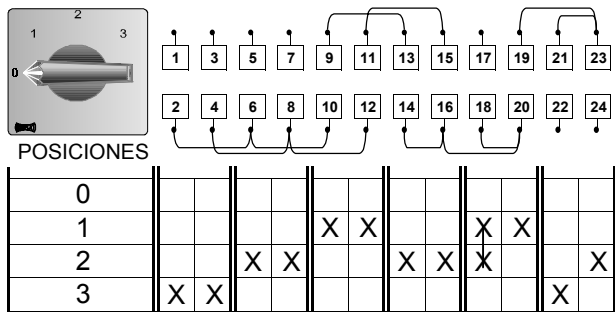




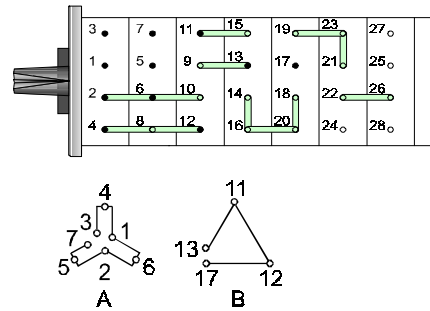
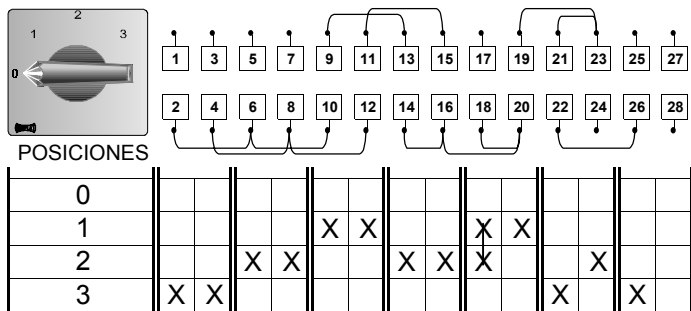
**B-605** CONMUTADOR  
2 Arrollamientos por constante  
6 Pisos



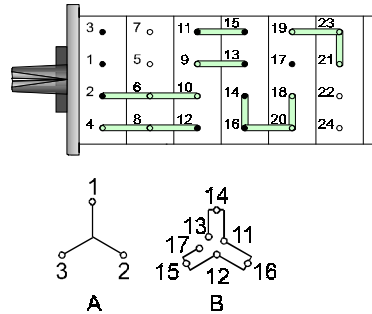
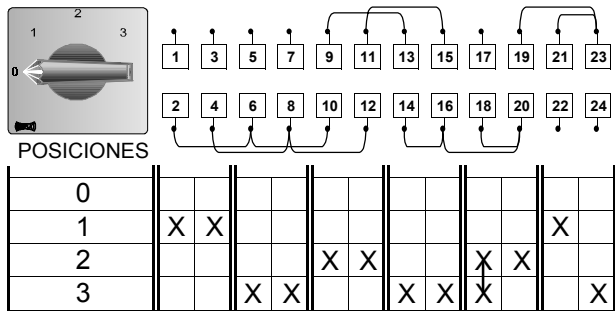
**B-606** CONMUTADOR  
2 Arrollamientos por constante  
7 Pisos



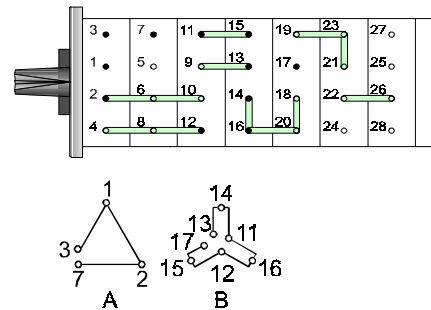
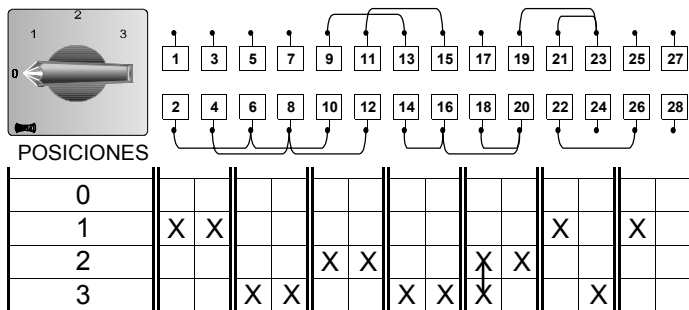
**B-607** CONMUTADOR  
2 Arrollamientos por constante  
6 Pisos



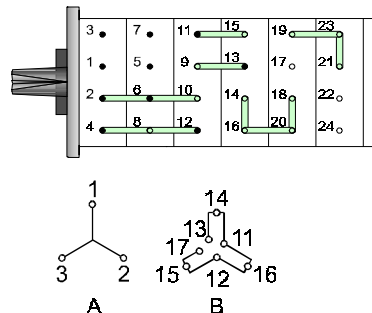
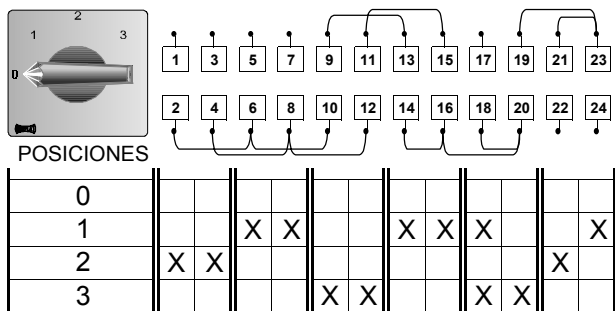
**B-608** CONMUTADOR  
2 Arrollamientos por constante  
7 Pisos



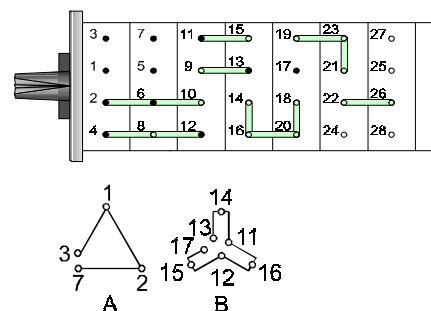
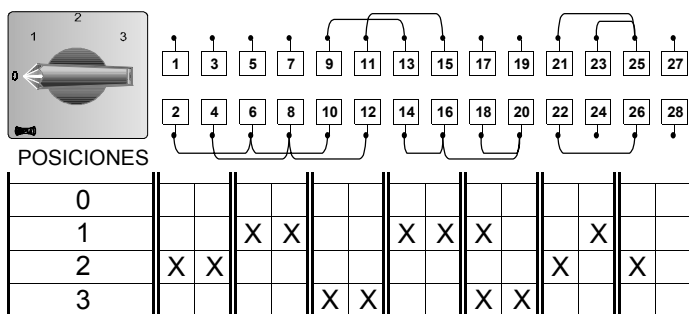
**B-609** CONMUTADOR  
2 Arrollamientos par constante  
6 Pisos



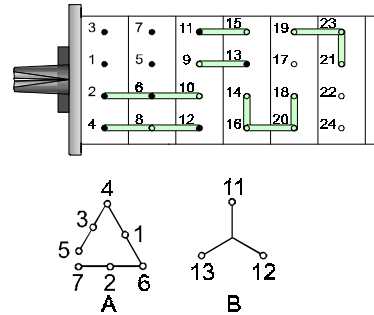
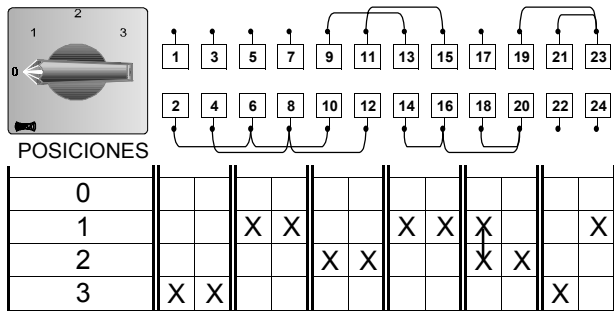
**B-610** CONMUTADOR  
2 Arrollamientos par constante  
7 Pisos



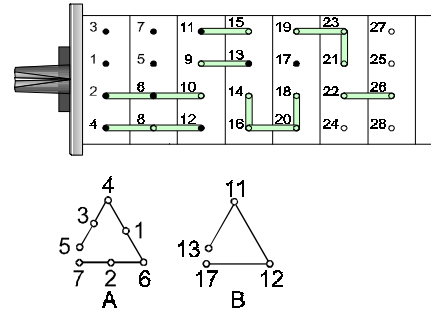
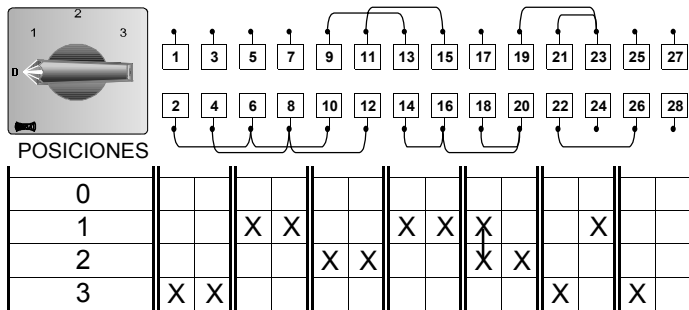
**B-613** CONMUTADOR  
2 Arrollamientos potencia constante  
6 Pisos



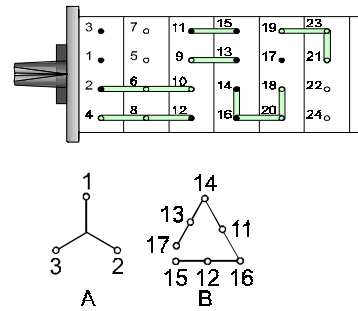
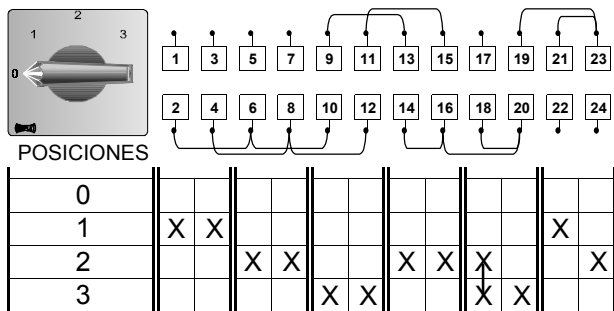
**B-614** CONMUTADOR  
2 Arrollamientos potencia constante  
7 Pisos



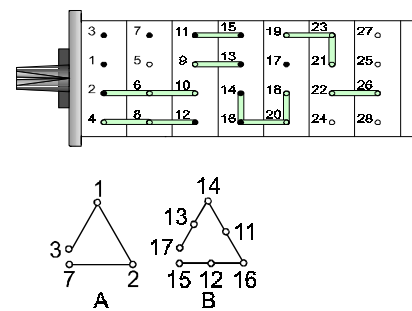
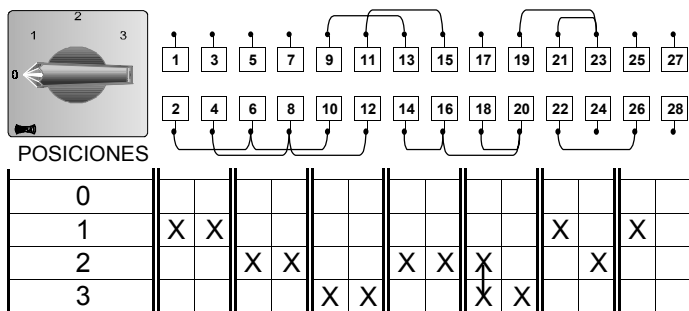
**B-615 CONMUTADOR**  
2 Arrollamientos potencia constante  
6 Pisos



**B-616 CONMUTADOR**  
2 Arrollamientos potencia constante  
7 Pisos

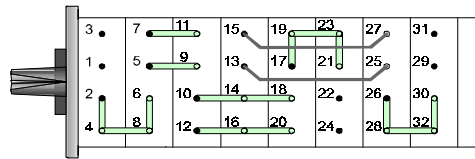
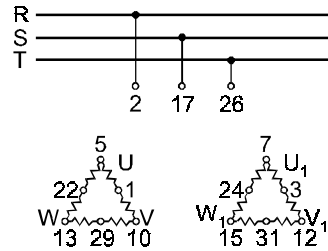
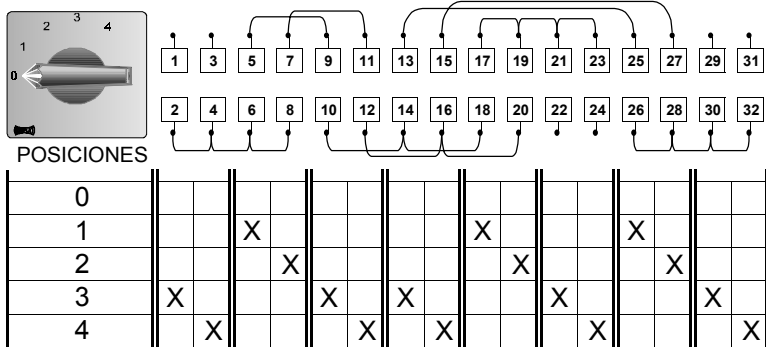


**B-617 CONMUTADOR**  
2 Arrollamientos potencia constante  
6 Pisos

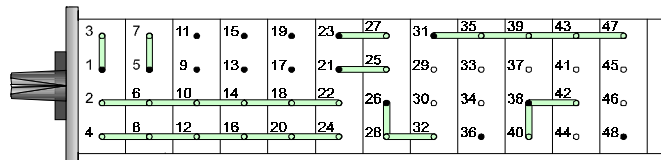
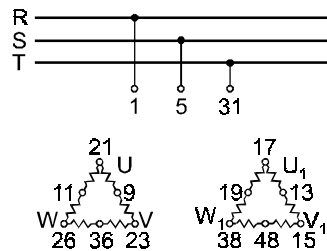
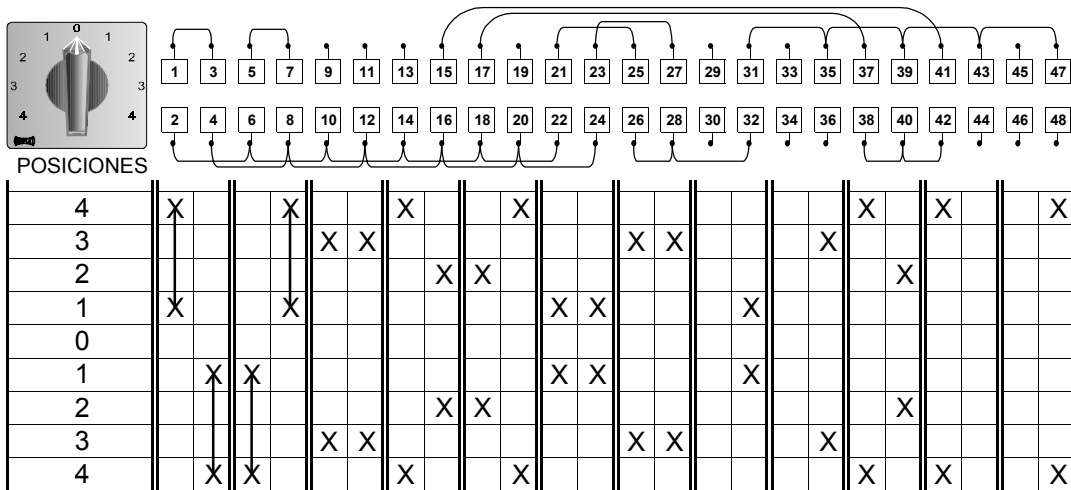


**B-618 CONMUTADOR**  
2 Arrollamientos potencia constante  
7 Pisos

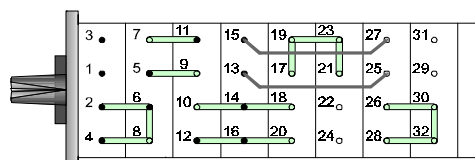
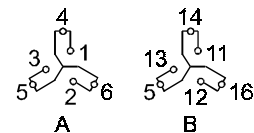
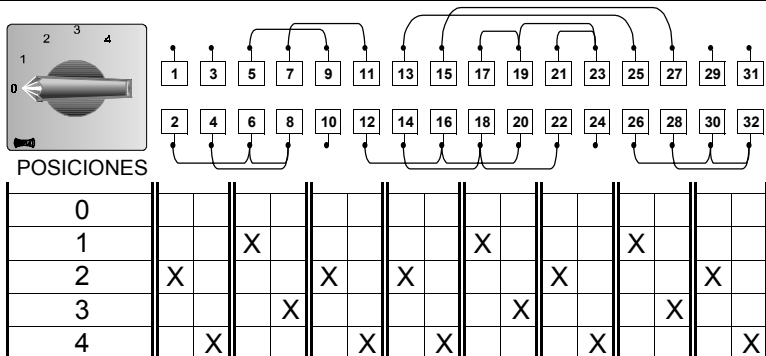
CONMUTADORES DE POLOS DE 4 VELOCIDADES



**B-461** CONMUTADOR  
2 Devanados  
8 Pisos



**B-462** CONMUTADOR  
2 Devanados con inversión de marcha  
12 Pisos



**B-604** CONMUTADOR  
2 Arrollamientos par variable  
8 Pisos





