

Type TNL 4 Pole & 8 Pole



TNL22E

4 Pole, 1 stack

Number of contacts					Weight	Catalog number	List price
1st stack		2nd stack					
N.O.	N.C.	N.O.	N.C.				
2	2	–	–	0.540	TNL22E-Δ		
3	1	–	–	0.540	TNL31E-Δ		
4	–	–	–	0.540	TNL40E-Δ		

8 Pole, 2 stack

Number of contacts				Weight	Catalog number	List price
1st stack		2nd stack				
N.O.	N.C.	N.O.	N.C.			
4	–	–	4	0.600	TNL44E-Δ	
4	–	2	2	0.600	TNL62E-Δ	

Δ - Substitute the Δ for the coil voltage code. See the Type TNL Coil voltage Selection chart beneath the photos.

Coil characteristics

No extra tolerances applicable to the U_c min. ... max. values quoted in the Coil voltage selection table

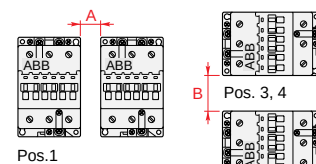
- Coil consumption at U_c max. $\varphi = 20^\circ\text{C}$: 9 W pull-in/holding
- Replacement coils: consult us (standard coils used on NL control relays are not suitable for TNL control relays).

Coil voltage selection

Min.	U_c	Max.	Voltage
17	–	32	51
24	–	45	52
36	–	65	54
42	–	78	58
50	–	90	55
77	–	143	62
90	–	150	66
152	–	264	68

Mounting distance – for coil operating limits U_c min. ... U_c max.

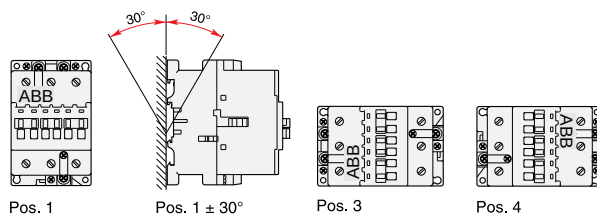
A mm	B mm	Ambient temp. $^\circ\text{C}$	Max. switching frequency Operating cycles/h
2	20	≤ 20	1200
5	20	≤ 55	1200



Add-on accessories

Control relays	Max. number of auxiliary contact blocks						Timer TP	Mechanical interlock	Label marker
	CA5-10	CA5-01	CA5-40	CA5-31	CA5-22	CA5-04			
Pos. 1, 3 or 4 TNL 40-E	4	2	1	1	1	–	–	VBC 30	BA 5-50
Pos. 1, 3 or 4 TNL 31-E	4	1	1	1	–	–	–	VBC 30	BA 5-50
Pos. 1, 3 or 4 TNL 22-E	4	–	1	–	–	–	–	VBC 30	BA 5-50
Pos. 1 $\pm 30^\circ$ TNL - all types	–	–	–	–	–	–	–	VBC 30	BA 5-50

Mounting positions

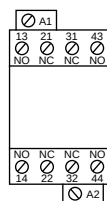


Technical data

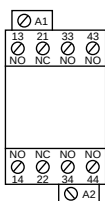
Terminal marking and positioning

Type NL & TNL

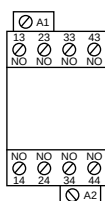
Standard devices without addition of auxiliary contacts



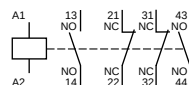
NL22E
TNL22E



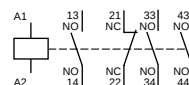
NL31E
TNL31E



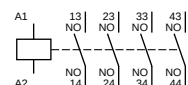
NL40E
TNL40E



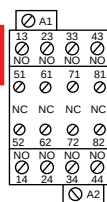
NL22E
TNL22E



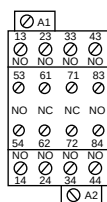
NL31E
TNL31E



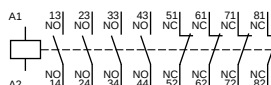
NL40E
TNL40E



NL44E
TNL44E



NL62E
TNL62E

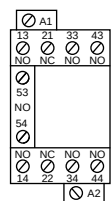


NL44E
TNL44E

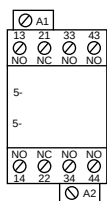


NL62E
TNL62E

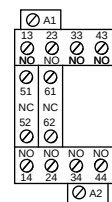
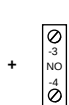
Other possible contact combinations with auxiliary contacts added by the user



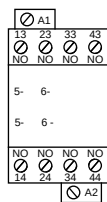
Combination 41E = NL31E + CA5-10 + CA5-10



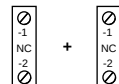
NL31E + CA5-10 + CA5-10



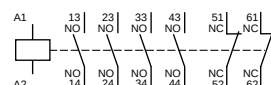
Combination 42E = NL40E + CA5-01 + CA5-01 + CA5-01 + CA5-01



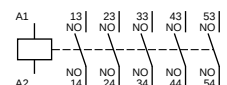
NL40E + CA5-01 + CA5-01 + CA5-01 + CA5-01



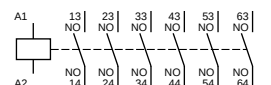
Combination 41 E



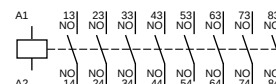
Combination 42 E



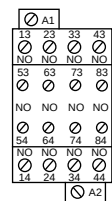
Combination 50 E



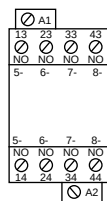
Combination 60 E



Combination 80 E



Combination 80E = NL40E + CA5-40E + CA5-40E



NL40E + CA5-40E + CA5-40E

