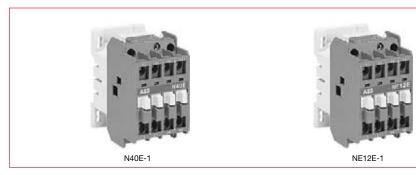
Type N & NL AC & DC operated





A.C. operated

Contact co N.O.	4 0										
4	0	N40E-84									
3	1	N31E-84									
2	2	N22E-84									
4	4	N44E-84									
5	3	N53E-84									
6	2	N62E-84									
7	1	N71E-84									
8	0	N80E-84									

Coil voltage selection

All AC operated catalog numbers include a 120VAC coil. All DC operated catalog numbers include a 110VDC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the first digit after the last dash in the catalog number.

Ex.: A 240V coil is required for an N80 control relay: N80E-80

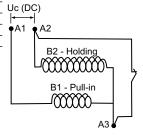
Coil voltage selection chart

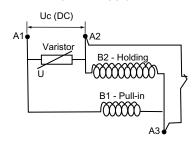
Hz	Relay	Volts															
	type	12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	N		81	83	84	84		34	36	80	42		86	86	51	53	55
50	N		81	83	84				80			85	86			55	
DC	NE, NL	80	81	83	86		87		88	89							

D.C. operated

Contact c	Catalog	
N.O.	N.C.	number
4	0	NL40E-86
3	1	NL31E-86
2	2	NL22E-86
4	4	NL44E-86 ①
5	3	NL53E-86 ①
6	2	NL62E-86 ①
7	1	NL71E-86
8	0	NL80E-86
1	2	NE12E-86
2	1	NE21E-86
3	0	NE30E-86
4	3	NE43E-86 ①
5	2	NE52E-86 ①
6	1	NE61E-86 ①
7	0	NE70E-86 ①

Block diagrams for NE... contactor relay coil supply





Coil supply Uc <110 VDC

Coil supply via built-in varistor UC \leq 110 VDC

Description

- AC operated with laminated magnetic circuit.
- 2 versions: 4 pole or 8 pole. The width of 8 pole devices is identical to that of 4 pole devices; only the depth is increased.
- Side by side mounting possible.
- Self cleaning auxiliary contacts.
- Alone or by itself or with a 4 pole CA5 auxiliary contact block, these devices offer "positive safety" between their auxiliary contacts.

Application

Type N control relays are used for switching auxiliary circuits and control circuits.

Holes for screw mounting (screws not supplied). Distances between holes according to EN50 002.

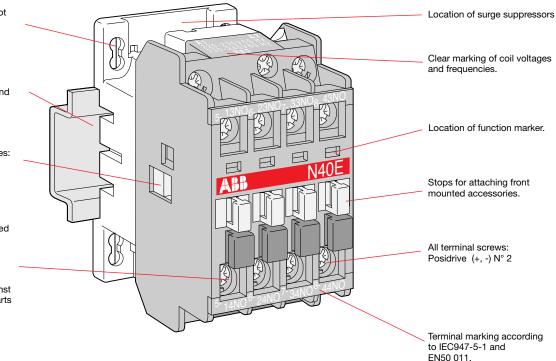
Quick mounting on 35 x 7.5_{mm} DIN mounting rail according to IEC715 and EN50 022.

Location of side mounted accessories: mounting on right or left hand side.

Terminals delivered in open position with captive screws (screws of unused terminals should be tightened).

Screwdriver guidance for all screws makes it possible to use motorized screwdrivers.

All terminals provide protection against accidental direct contact with live parts according to VDE0106 – Part. 100 and offer IP 20 degree of protection according to IEC947-1.



Catalog number explanation N 40E-84 Frame type ______ Coil voltage (see coil voltage chart below)

Contact configuration

Coil voltage selection chart

Hz	Relay	Volts															
	type	12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	N		81	83	84	84		34	36	80	42		86	86	51	53	55
50	N		81	83	84				80			85	86			55	
DC	NE, NL	80	81	83	86		87		88	89							

7.42



General informationType NL & TNL, DC operated

Type NL

Description

- Magnetic circuit variants: NL types: d.c. operated with solid magnetic circuits.
- 2 versions: 4 pole or 8 pole
- The width of 8 pole devices is identical to that of 4 pole devices; only the depth is increased.
- · Bifurcated auxiliary contacts.
- Alone or mounted with a 4 pole CA5 auxiliary contact block, these devices
 offer "positive safety" between their auxiliary contacts.

Application

Type NL control relays are used for switching auxiliary circuits and control circuits.

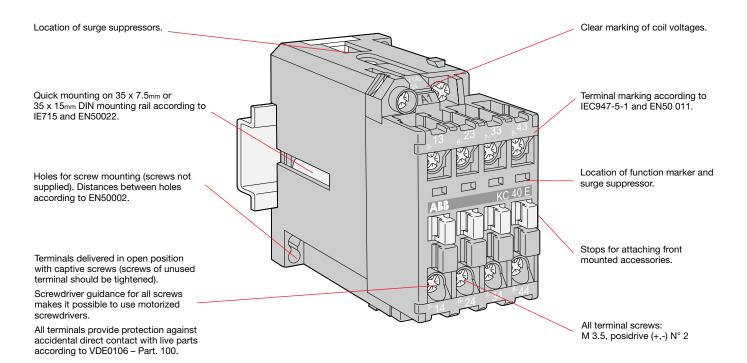
Type TNL

Description

- · Magnetic circuit variants
 - NL types: D.C. operated with solid magnetic circuits
- TNL types: D.C. operated with solid magnetic circuit and large coil voltage range.
- 2 versions
- 4-pole/1-stack or 8-pole/2-stack
- The width of 8-pole devices is identical to that of 4 pole devices; only the depth is increased.
- Double sharp auxiliary contacts.
- Alone or mounted with a 4-pole CA 5 auxiliary contact block, these devices offer "positive safety" between their auxiliary contacts.

Application

Type NL and TNL control relays are used for switching auxiliary circuits and control circuits.



Catalog number explanation

Frame type ______ Coil voltage (see coil voltage chart below.)

Contact configuration _____

Coil voltage selection chart

Hz	Relay	Volts Volts															
	type	12	24	48	110	120	125	208	220	240	277	380	415	440	480	500	600
60	N		81	83	84	84		34	36	80	42		86	86	51	53	55
50	N		81	83	84				80			85	86			55	
DC	NE, NL	80	81	83	86		87		88	89							