



NCH8-Z Series Modular AC Contactors with AC/DC Coil

1. The purpose of use

1.1 NCH8-□Z series Modular AC contactor (hereinafter referred as contactor) is mainly used for circuits with AC 50Hz (or 60Hz) and rated working voltage up to 400V and rated working current up to 63A, controlling low inductance and micro inductive loads for household appliances and similar purposes; It can also be used to control the load of household electric motors, and the control power should be correspondingly reduced.

The product is applied in homes, hotels, apartments, and other places to achieve automation functions, and is applied to large-scale production of household electrical products.

1.2 Standard: Contactors comply with IEC/EN 61095, IEC/EN 60947-4-1, IEC/EN 60947-5-1

2. Type Designation

N CH 8 - □ Z / □ □

Rated control power voltage U_s (V):
AC/DC230V, 48V, 24V, 12V

Main contact pole number:
10: 1NO 01: 1NC
11: 1NO+1NC 02: 2NC 20: 2NO
30: 3NO 03: 3NC
40: 4NO 22: 2NO+2NC 04: 4NC
31: 3NO+1NC

DC coil

Rated operating current (A):
16/20/25/32/40/63

Design serial number

Modular contactor

Enterprise characteristics code

AX -13 / □

Auxiliary contact: 11:1NO+1NC 20:2NO

Design serial number

Auxiliary contact group: 11: 1NO+1NC 20: 2NO

Note: Auxiliary contacts are optional accessories (not standard accessories).

3. Regular Operating Conditions

- 3.1 Ambient temperature: $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- 3.2 Humidity : Relative humidity $< 50\%$ at $+40^{\circ}\text{C}$; up to 90% at $+20^{\circ}\text{C}$
- 3.3 Altitude: $< 2000\text{m}$
- 3.4 Pollution class: Class 2
- 3.5 Installation category: Class II
- 3.6 Protection class: IP20
- 3.7 Installation conditions: Vertical installation; the inclination of the installation surface to any direction should not exceed 5° ; TH35-7.5 steel mounting rails should be used for installation.
- 3.8 Operation conditions: Pickup voltage: $(85\% \sim 110\%) U_s$; release voltage: $(20\% \sim 75\%) U_s$

4. Main Technical Parameters

Model			16A	20A	25A	32A	40A	63A
Rated current In (A)	AC-7a/AC-1		16	20	25	32	40	63
	AC-7b/AC-3		6	7	9	12	18	25
Conventional thermal current Ith (A)			32	32	32	32	63	63
Rated insulation voltage Ui (V)			500					
Rated operating Rated Ue (V)			250V (2P), 400V(4P)					
Number of main contacts	2P width		1NO, 1NC, 1NO1NC, 2NO, 2NC					
	4P width		3NO, 3NC, 2NO2NC, 3NO1NC, 4NO, 4NC					
Control power (kW)	AC-7a/AC-1	250V	3.5	4.5	5.5	8	9	14
		400V	6	7.5	9.5	12	15	24
	AC-7b/AC-3	250V	1.4	1.6	2	3	4	5.5
		400V	2.2	2.5	3.2	4.5	6	8
Electrical life (times)			10×10 ⁴					
Mechanical life (times)			100×10 ⁴					
Rated control power voltage Us (V)			AC/DC12V, 24V, 48V, 110V, 230V					
Rated duty system	Intermittent		30 times/h load factor 40%					
	Eight hours		Basic duty system					
Wiring (mm2)	Control circuit	Hard wire	1.5~2.5			2×1.5		
		Flexible wire	1.5~2.5			2×2.5		
	Power circuit	Hard wire	1.5~6			6~25		
		Flexible wire	1.5~4			6~16		
Torque (N.m)	Control circuit		0.8					
	Power circuit		0.8			3.5		

5. Auxiliary Contact

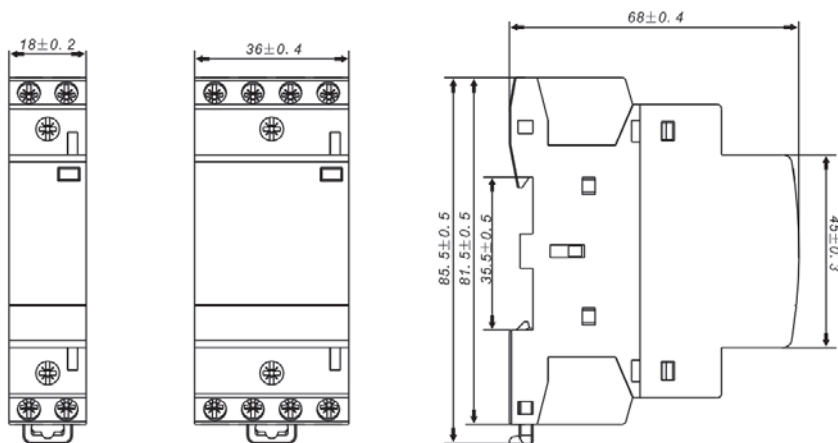
Model	AC-12		AC-15		DC-13	
	Voltage	Current	Voltage	Current	Voltage	Current
AX-13/11	240V	5A	230V	2A	DC 130V	1A
AX-13/20	240V	5A	230V	2A	DC 130V	1A



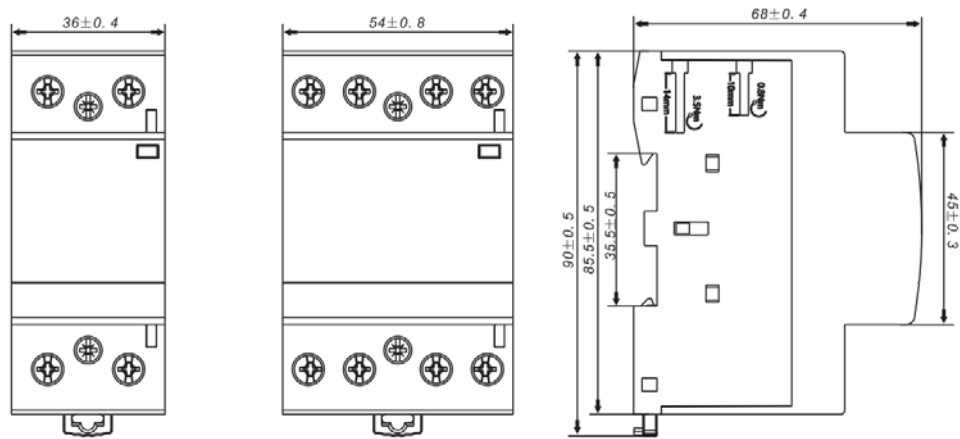
6. Outline and Installation Dimensions

Unit: mm

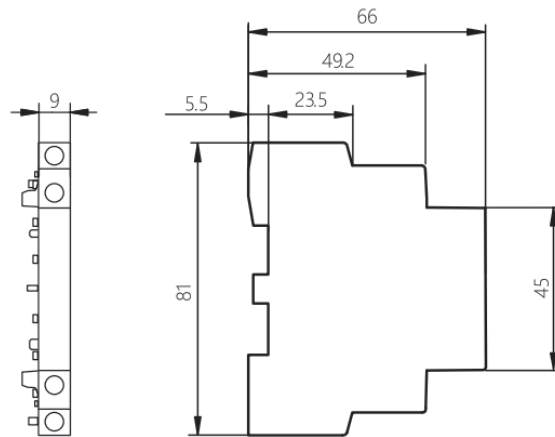
NCH8-16Z, NCH8-20Z, NCH8-25Z, nch8-32Z



NCH8-40Z, NCH8-63Z



AX-13/11, AX-13/20



NCH8	-	20	Z	/	01	AC/DC24V
↓		↓	↓		↓	↓
Product Series		Rated Current (AC-7a)	AC/DC Coil		Main Contact	Control Voltage
		16: 16A 20: 20A 25: 25A 32: 32A 40: 40A 63: 63A			01: 1P, 1NC contact 10: 1P, 1NO contact 02: 2P, 2NC contacts 20: 2P, 2NO contacts 11: 2P, 1NO+1NC contacts 03: 3P, 3NC contacts 30: 3P, 3NO contacts 04: 4P, 4NC contacts 40: 4P, 4NO contacts 22: 4P, 2NO+2NC contacts 31: 4P, 3NO+1NC contacts	AC/DC12V: AC/DC12V AC/DC24V: AC/DC24V AC/DC48V: AC/DC48V AC/DC110V: AC/DC110V AC/DC230V: AC/DC230V

NCH8-Z Contactor 16~63A

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	1NO	-	AC/DC 230V	NCH8-16Z/10 AC/DC 230V	438821
16A	1NO	-	AC/DC 110V	NCH8-16Z/10 AC/DC 110V	438822
16A	1NO	-	AC/DC 48V	NCH8-16Z/10 AC/DC 48V	438823
16A	1NO	-	AC/DC 24V	NCH8-16Z/10 AC/DC 24V	438824
16A	1NO	-	AC/DC 12V	NCH8-16Z/10 AC/DC 12V	438825
16A	1NC	-	AC/DC 230V	NCH8-16Z/01 AC/DC 230V	438826
16A	1NC	-	AC/DC 110V	NCH8-16Z/01 AC/DC 110V	438827
16A	1NC	-	AC/DC 48V	NCH8-16Z/01 AC/DC 48V	438828
16A	1NC	-	AC/DC 24V	NCH8-16Z/01 AC/DC 24V	438829
16A	1NC	-	AC/DC 12V	NCH8-16Z/01 AC/DC 12V	438830
16A	2NO	-	AC/DC 230V	NCH8-16Z/20 AC/DC 230V	438831
16A	2NO	-	AC/DC 110V	NCH8-16Z/20 AC/DC 110V	438832
16A	2NO	-	AC/DC 48V	NCH8-16Z/20 AC/DC 48V	438833
16A	2NO	-	AC/DC 24V	NCH8-16Z/20 AC/DC 24V	438834
16A	2NO	-	AC/DC 12V	NCH8-16Z/20 AC/DC 12V	438835
16A	2NC	-	AC/DC 230V	NCH8-16Z/02 AC/DC 230V	438836
16A	2NC	-	AC/DC 110V	NCH8-16Z/02 AC/DC 110V	438837
16A	2NC	-	AC/DC 48V	NCH8-16Z/02 AC/DC 48V	438838
16A	2NC	-	AC/DC 24V	NCH8-16Z/02 AC/DC 24V	438839
16A	2NC	-	AC/DC 12V	NCH8-16Z/02 AC/DC 12V	438840
16A	1NO+1NC	-	AC/DC 230V	NCH8-16Z/11 AC/DC 230V	438841
16A	1NO+1NC	-	AC/DC 110V	NCH8-16Z/11 AC/DC 110V	438842
16A	1NO+1NC	-	AC/DC 48V	NCH8-16Z/11 AC/DC 48V	438843
16A	1NO+1NC	-	AC/DC 24V	NCH8-16Z/11 AC/DC 24V	438844
16A	1NO+1NC	-	AC/DC 12V	NCH8-16Z/11 AC/DC 12V	438845
16A	3NO	-	AC/DC 230V	NCH8-16Z/30 AC/DC 230V	438921
16A	3NO	-	AC/DC 110V	NCH8-16Z/30 AC/DC 110V	438922
16A	3NO	-	AC/DC 48V	NCH8-16Z/30 AC/DC 48V	438923
16A	3NO	-	AC/DC 24V	NCH8-16Z/30 AC/DC 24V	438924
16A	3NO	-	AC/DC 12V	NCH8-16Z/30 AC/DC 12V	438925
16A	3NC	-	AC/DC 230V	NCH8-16Z/03 AC/DC 230V	438926
16A	3NC	-	AC/DC 110V	NCH8-16Z/03 AC/DC 110V	438927
16A	3NC	-	AC/DC 48V	NCH8-16Z/03 AC/DC 48V	438928
16A	3NC	-	AC/DC 24V	NCH8-16Z/03 AC/DC 24V	438929

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
16A	3NC	-	AC/DC 12V	NCH8-16Z/03 AC/DC 12V	438930
16A	4NO	-	AC/DC 230V	NCH8-16Z/40 AC/DC 230V	438931
16A	4NO	-	AC/DC 110V	NCH8-16Z/40 AC/DC 110V	438932
16A	4NO	-	AC/DC 48V	NCH8-16Z/40 AC/DC 48V	438933
16A	4NO	-	AC/DC 24V	NCH8-16Z/40 AC/DC 24V	438934
16A	4NO	-	AC/DC 12V	NCH8-16Z/40 AC/DC 12V	438935
16A	4NC	-	AC/DC 230V	NCH8-16Z/04 AC/DC 230V	438936
16A	4NC	-	AC/DC 110V	NCH8-16Z/04 AC/DC 110V	438937
16A	4NC	-	AC/DC 48V	NCH8-16Z/04 AC/DC 48V	438938
16A	4NC	-	AC/DC 24V	NCH8-16Z/04 AC/DC 24V	438939
16A	4NC	-	AC/DC 12V	NCH8-16Z/04 AC/DC 12V	438940
16A	2NO+2NC	-	AC/DC 230V	NCH8-16Z/22 AC/DC 230V	438941
16A	2NO+2NC	-	AC/DC 110V	NCH8-16Z/22 AC/DC 110V	438942
16A	2NO+2NC	-	AC/DC 48V	NCH8-16Z/22 AC/DC 48V	438943
16A	2NO+2NC	-	AC/DC 24V	NCH8-16Z/22 AC/DC 24V	438944
16A	2NO+2NC	-	AC/DC 12V	NCH8-16Z/22 AC/DC 12V	438945
16A	3NO+1NC	-	AC/DC 230V	NCH8-16Z/31 AC/DC 230V	438946
16A	3NO+1NC	-	AC/DC 110V	NCH8-16Z/31 AC/DC 110V	438947
16A	3NO+1NC	-	AC/DC 48V	NCH8-16Z/31 AC/DC 48V	438948
16A	3NO+1NC	-	AC/DC 24V	NCH8-16Z/31 AC/DC 24V	438949
16A	3NO+1NC	-	AC/DC 12V	NCH8-16Z/31 AC/DC 12V	438950
20A	1NO	-	AC/DC 230V	NCH8-20Z/10 AC/DC 230V	438846
20A	1NO	-	AC/DC 110V	NCH8-20Z/10 AC/DC 110V	438847
20A	1NO	-	AC/DC 48V	NCH8-20Z/10 AC/DC 48V	438848
20A	1NO	-	AC/DC 24V	NCH8-20Z/10 AC/DC 24V	438849
20A	1NO	-	AC/DC 12V	NCH8-20Z/10 AC/DC 12V	438850
20A	1NC	-	AC/DC 230V	NCH8-20Z/01 AC/DC 230V	438851
20A	1NC	-	AC/DC 110V	NCH8-20Z/01 AC/DC 110V	438852
20A	1NC	-	AC/DC 48V	NCH8-20Z/01 AC/DC 48V	438853
20A	1NC	-	AC/DC 24V	NCH8-20Z/01 AC/DC 24V	438854
20A	1NC	-	AC/DC 12V	NCH8-20Z/01 AC/DC 12V	438855
20A	2NO	-	AC/DC 230V	NCH8-20Z/20 AC/DC 230V	438856
20A	2NO	-	AC/DC 110V	NCH8-20Z/20 AC/DC 110V	438857
20A	2NO	-	AC/DC 48V	NCH8-20Z/20 AC/DC 48V	438858

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	2NO	-	AC/DC 24V	NCH8-20Z/20 AC/DC 24V	438859
20A	2NO	-	AC/DC 12V	NCH8-20Z/20 AC/DC 12V	438860
20A	2NC	-	AC/DC 230V	NCH8-20Z/02 AC/DC 230V	438861
20A	2NC	-	AC/DC 110V	NCH8-20Z/02 AC/DC 110V	438862
20A	2NC	-	AC/DC 48V	NCH8-20Z/02 AC/DC 48V	438863
20A	2NC	-	AC/DC 24V	NCH8-20Z/02 AC/DC 24V	438864
20A	2NC	-	AC/DC 12V	NCH8-20Z/02 AC/DC 12V	438865
20A	1NO+1NC	-	AC/DC 230V	NCH8-20Z/11 AC/DC 230V	438866
20A	1NO+1NC	-	AC/DC 110V	NCH8-20Z/11 AC/DC 110V	438867
20A	1NO+1NC	-	AC/DC 48V	NCH8-20Z/11 AC/DC 48V	438868
20A	1NO+1NC	-	AC/DC 24V	NCH8-20Z/11 AC/DC 24V	438869
20A	1NO+1NC	-	AC/DC 12V	NCH8-20Z/11 AC/DC 12V	438870
20A	3NO	-	AC/DC 230V	NCH8-20Z/30 AC/DC 230V	438951
20A	3NO	-	AC/DC 110V	NCH8-20Z/30 AC/DC 110V	438952
20A	3NO	-	AC/DC 48V	NCH8-20Z/30 AC/DC 48V	438953
20A	3NO	-	AC/DC 24V	NCH8-20Z/30 AC/DC 24V	438954
20A	3NO	-	AC/DC 12V	NCH8-20Z/30 AC/DC 12V	438955
20A	3NC	-	AC/DC 230V	NCH8-20Z/03 AC/DC 230V	438956
20A	3NC	-	AC/DC 110V	NCH8-20Z/03 AC/DC 110V	438957
20A	3NC	-	AC/DC 48V	NCH8-20Z/03 AC/DC 48V	438958
20A	3NC	-	AC/DC 24V	NCH8-20Z/03 AC/DC 24V	438959
20A	3NC	-	AC/DC 12V	NCH8-20Z/03 AC/DC 12V	438960
20A	4NO	-	AC/DC 230V	NCH8-20Z/40 AC/DC 230V	438961
20A	4NO	-	AC/DC 110V	NCH8-20Z/40 AC/DC 110V	438962
20A	4NO	-	AC/DC 48V	NCH8-20Z/40 AC/DC 48V	438963
20A	4NO	-	AC/DC 24V	NCH8-20Z/40 AC/DC 24V	438964
20A	4NO	-	AC/DC 12V	NCH8-20Z/40 AC/DC 12V	438965
20A	4NC	-	AC/DC 230V	NCH8-20Z/04 AC/DC 230V	438966
20A	4NC	-	AC/DC 110V	NCH8-20Z/04 AC/DC 110V	438967
20A	4NC	-	AC/DC 48V	NCH8-20Z/04 AC/DC 48V	438968
20A	4NC	-	AC/DC 24V	NCH8-20Z/04 AC/DC 24V	438969
20A	4NC	-	AC/DC 12V	NCH8-20Z/04 AC/DC 12V	438970
20A	2NO+2NC	-	AC/DC 230V	NCH8-20Z/22 AC/DC 230V	438971
20A	2NO+2NC	-	AC/DC 110V	NCH8-20Z/22 AC/DC 110V	438972

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
20A	2NO+2NC	-	AC/DC 48V	NCH8-20Z/22 AC/DC 48V	438973
20A	2NO+2NC	-	AC/DC 24V	NCH8-20Z/22 AC/DC 24V	438974
20A	2NO+2NC	-	AC/DC 12V	NCH8-20Z/22 AC/DC 12V	438975
20A	3NO+1NC	-	AC/DC 230V	NCH8-20Z/31 AC/DC 230V	438976
20A	3NO+1NC	-	AC/DC 110V	NCH8-20Z/31 AC/DC 110V	438977
20A	3NO+1NC	-	AC/DC 48V	NCH8-20Z/31 AC/DC 48V	438978
20A	3NO+1NC	-	AC/DC 24V	NCH8-20Z/31 AC/DC 24V	438979
20A	3NO+1NC	-	AC/DC 12V	NCH8-20Z/31 AC/DC 12V	438980
25A	1NO	-	AC/DC 230V	NCH8-25Z/10 AC/DC 230V	438871
25A	1NO	-	AC/DC 110V	NCH8-25Z/10 AC/DC 110V	438872
25A	1NO	-	AC/DC 48V	NCH8-25Z/10 AC/DC 48V	438873
25A	1NO	-	AC/DC 24V	NCH8-25Z/10 AC/DC 24V	438874
25A	1NO	-	AC/DC 12V	NCH8-25Z/10 AC/DC 12V	438875
25A	1NC	-	AC/DC 230V	NCH8-25Z/01 AC/DC 230V	438876
25A	1NC	-	AC/DC 110V	NCH8-25Z/01 AC/DC 110V	438877
25A	1NC	-	AC/DC 48V	NCH8-25Z/01 AC/DC 48V	438878
25A	1NC	-	AC/DC 24V	NCH8-25Z/01 AC/DC 24V	438879
25A	1NC	-	AC/DC 12V	NCH8-25Z/01 AC/DC 12V	438880
25A	2NO	-	AC/DC 230V	NCH8-25Z/20 AC/DC 230V	438881
25A	2NO	-	AC/DC 110V	NCH8-25Z/20 AC/DC 110V	438882
25A	2NO	-	AC/DC 48V	NCH8-25Z/20 AC/DC 48V	438883
25A	2NO	-	AC/DC 24V	NCH8-25Z/20 AC/DC 24V	438884
25A	2NO	-	AC/DC 12V	NCH8-25Z/20 AC/DC 12V	438885
25A	2NC	-	AC/DC 230V	NCH8-25Z/02 AC/DC 230V	438886
25A	2NC	-	AC/DC 110V	NCH8-25Z/02 AC/DC 110V	438887
25A	2NC	-	AC/DC 48V	NCH8-25Z/02 AC/DC 48V	438888
25A	2NC	-	AC/DC 24V	NCH8-25Z/02 AC/DC 24V	438889
25A	2NC	-	AC/DC 12V	NCH8-25Z/02 AC/DC 12V	438890
25A	1NO+1NC	-	AC/DC 230V	NCH8-25Z/11 AC/DC 230V	438891
25A	1NO+1NC	-	AC/DC 110V	NCH8-25Z/11 AC/DC 110V	438892
25A	1NO+1NC	-	AC/DC 48V	NCH8-25Z/11 AC/DC 48V	438893
25A	1NO+1NC	-	AC/DC 24V	NCH8-25Z/11 AC/DC 24V	438894
25A	1NO+1NC	-	AC/DC 12V	NCH8-25Z/11 AC/DC 12V	438895
25A	3NO	-	AC/DC 230V	NCH8-25Z/30 AC/DC 230V	438981

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
25A	3NO	-	AC/DC 110V	NCH8-25Z/30 AC/DC 110V	438982
25A	3NO	-	AC/DC 48V	NCH8-25Z/30 AC/DC 48V	438983
25A	3NO	-	AC/DC 24V	NCH8-25Z/30 AC/DC 24V	438984
25A	3NO	-	AC/DC 12V	NCH8-25Z/30 AC/DC 12V	438985
25A	3NC	-	AC/DC 230V	NCH8-25Z/03 AC/DC 230V	438986
25A	3NC	-	AC/DC 110V	NCH8-25Z/03 AC/DC 110V	438987
25A	3NC	-	AC/DC 48V	NCH8-25Z/03 AC/DC 48V	438988
25A	3NC	-	AC/DC 24V	NCH8-25Z/03 AC/DC 24V	438989
25A	3NC	-	AC/DC 12V	NCH8-25Z/03 AC/DC 12V	438990
25A	4NO	-	AC/DC 230V	NCH8-25Z/40 AC/DC 230V	438991
25A	4NO	-	AC/DC 110V	NCH8-25Z/40 AC/DC 110V	438992
25A	4NO	-	AC/DC 48V	NCH8-25Z/40 AC/DC 48V	438993
25A	4NO	-	AC/DC 24V	NCH8-25Z/40 AC/DC 24V	438994
25A	4NO	-	AC/DC 12V	NCH8-25Z/40 AC/DC 12V	438995
25A	4NC	-	AC/DC 230V	NCH8-25Z/04 AC/DC 230V	438996
25A	4NC	-	AC/DC 110V	NCH8-25Z/04 AC/DC 110V	438997
25A	4NC	-	AC/DC 48V	NCH8-25Z/04 AC/DC 48V	438998
25A	4NC	-	AC/DC 24V	NCH8-25Z/04 AC/DC 24V	439046
25A	4NC	-	AC/DC 12V	NCH8-25Z/04 AC/DC 12V	439047
25A	2NO+2NC	-	AC/DC 230V	NCH8-25Z/22 AC/DC 230V	439048
25A	2NO+2NC	-	AC/DC 110V	NCH8-25Z/22 AC/DC 110V	439049
25A	2NO+2NC	-	AC/DC 48V	NCH8-25Z/22 AC/DC 48V	439050
25A	2NO+2NC	-	AC/DC 24V	NCH8-25Z/22 AC/DC 24V	439051
25A	2NO+2NC	-	AC/DC 12V	NCH8-25Z/22 AC/DC 12V	439052
25A	3NO+1NC	-	AC/DC 230V	NCH8-25Z/31 AC/DC 230V	439053
25A	3NO+1NC	-	AC/DC 110V	NCH8-25Z/31 AC/DC 110V	439054
25A	3NO+1NC	-	AC/DC 48V	NCH8-25Z/31 AC/DC 48V	439055
25A	3NO+1NC	-	AC/DC 24V	NCH8-25Z/31 AC/DC 24V	439056
25A	3NO+1NC	-	AC/DC 12V	NCH8-25Z/31 AC/DC 12V	439057

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	1NO	-	AC/DC 230V	NCH8-32Z/10 AC/DC 230V	438896
32A	1NO	-	AC/DC 110V	NCH8-32Z/10 AC/DC 110V	438897
32A	1NO	-	AC/DC 48V	NCH8-32Z/10 AC/DC 48V	438898
32A	1NO	-	AC/DC 24V	NCH8-32Z/10 AC/DC 24V	438899
32A	1NO	-	AC/DC 12V	NCH8-32Z/10 AC/DC 12V	438900
32A	1NC	-	AC/DC 230V	NCH8-32Z/01 AC/DC 230V	438901
32A	1NC	-	AC/DC 110V	NCH8-32Z/01 AC/DC 110V	438902
32A	1NC	-	AC/DC 48V	NCH8-32Z/01 AC/DC 48V	438903
32A	1NC	-	AC/DC 24V	NCH8-32Z/01 AC/DC 24V	438904
32A	1NC	-	AC/DC 12V	NCH8-32Z/01 AC/DC 12V	438905
32A	2NO	-	AC/DC 230V	NCH8-32Z/20 AC/DC 230V	438906
32A	2NO	-	AC/DC 110V	NCH8-32Z/20 AC/DC 110V	438907
32A	2NO	-	AC/DC 48V	NCH8-32Z/20 AC/DC 48V	438908
32A	2NO	-	AC/DC 24V	NCH8-32Z/20 AC/DC 24V	438909
32A	2NO	-	AC/DC 12V	NCH8-32Z/20 AC/DC 12V	438910
32A	2NC	-	AC/DC 230V	NCH8-32Z/02 AC/DC 230V	438911
32A	2NC	-	AC/DC 110V	NCH8-32Z/02 AC/DC 110V	438912
32A	2NC	-	AC/DC 48V	NCH8-32Z/02 AC/DC 48V	438913
32A	2NC	-	AC/DC 24V	NCH8-32Z/02 AC/DC 24V	438914
32A	2NC	-	AC/DC 12V	NCH8-32Z/02 AC/DC 12V	438915
32A	1NO+1NC	-	AC/DC 230V	NCH8-32Z/11 AC/DC 230V	438916
32A	1NO+1NC	-	AC/DC 110V	NCH8-32Z/11 AC/DC 110V	438917
32A	1NO+1NC	-	AC/DC 48V	NCH8-32Z/11 AC/DC 48V	438918
32A	1NO+1NC	-	AC/DC 24V	NCH8-32Z/11 AC/DC 24V	438919
32A	1NO+1NC	-	AC/DC 12V	NCH8-32Z/11 AC/DC 12V	438920
32A	3NO	-	AC/DC 230V	NCH8-32Z/30 AC/DC 230V	439058
32A	3NO	-	AC/DC 110V	NCH8-32Z/30 AC/DC 110V	439059
32A	3NO	-	AC/DC 48V	NCH8-32Z/30 AC/DC 48V	439060
32A	3NO	-	AC/DC 24V	NCH8-32Z/30 AC/DC 24V	439061
32A	3NO	-	AC/DC 12V	NCH8-32Z/30 AC/DC 12V	439062
32A	3NC	-	AC/DC 230V	NCH8-32Z/03 AC/DC 230V	439063
32A	3NC	-	AC/DC 110V	NCH8-32Z/03 AC/DC 110V	439064
32A	3NC	-	AC/DC 48V	NCH8-32Z/03 AC/DC 48V	439065
32A	3NC	-	AC/DC 24V	NCH8-32Z/03 AC/DC 24V	439066

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
32A	3NC	-	AC/DC 12V	NCH8-32Z/03 AC/DC 12V	439067
32A	4NO	-	AC/DC 230V	NCH8-32Z/40 AC/DC 230V	439068
32A	4NO	-	AC/DC 110V	NCH8-32Z/40 AC/DC 110V	439069
32A	4NO	-	AC/DC 48V	NCH8-32Z/40 AC/DC 48V	439070
32A	4NO	-	AC/DC 24V	NCH8-32Z/40 AC/DC 24V	439071
32A	4NO	-	AC/DC 12V	NCH8-32Z/40 AC/DC 12V	439072
32A	4NC	-	AC/DC 230V	NCH8-32Z/04 AC/DC 230V	439073
32A	4NC	-	AC/DC 110V	NCH8-32Z/04 AC/DC 110V	439074
32A	4NC	-	AC/DC 48V	NCH8-32Z/04 AC/DC 48V	439075
32A	4NC	-	AC/DC 24V	NCH8-32Z/04 AC/DC 24V	439076
32A	4NC	-	AC/DC 12V	NCH8-32Z/04 AC/DC 12V	439077
32A	2NO+2NC	-	AC/DC 230V	NCH8-32Z/22 AC/DC 230V	439078
32A	2NO+2NC	-	AC/DC 110V	NCH8-32Z/22 AC/DC 110V	439079
32A	2NO+2NC	-	AC/DC 48V	NCH8-32Z/22 AC/DC 48V	439080
32A	2NO+2NC	-	AC/DC 24V	NCH8-32Z/22 AC/DC 24V	439081
32A	2NO+2NC	-	AC/DC 12V	NCH8-32Z/22 AC/DC 12V	439082
32A	3NO+1NC	-	AC/DC 230V	NCH8-32Z/31 AC/DC 230V	439083
32A	3NO+1NC	-	AC/DC 110V	NCH8-32Z/31 AC/DC 110V	439084
32A	3NO+1NC	-	AC/DC 48V	NCH8-32Z/31 AC/DC 48V	439085
32A	3NO+1NC	-	AC/DC 24V	NCH8-32Z/31 AC/DC 24V	439086
32A	3NO+1NC	-	AC/DC 12V	NCH8-32Z/31 AC/DC 12V	439087
40A	1NO	-	AC/DC 230V	NCH8-40Z/10 AC/DC 230V	439088
40A	1NO	-	AC/DC 110V	NCH8-40Z/10 AC/DC 110V	439089
40A	1NO	-	AC/DC 48V	NCH8-40Z/10 AC/DC 48V	439090
40A	1NO	-	AC/DC 24V	NCH8-40Z/10 AC/DC 24V	439091
40A	1NO	-	AC/DC 12V	NCH8-40Z/10 AC/DC 12V	439092
40A	1NC	-	AC/DC 230V	NCH8-40Z/01 AC/DC 230V	439093
40A	1NC	-	AC/DC 110V	NCH8-40Z/01 AC/DC 110V	439094
40A	1NC	-	AC/DC 48V	NCH8-40Z/01 AC/DC 48V	439095
40A	1NC	-	AC/DC 24V	NCH8-40Z/01 AC/DC 24V	439096
40A	1NC	-	AC/DC 12V	NCH8-40Z/01 AC/DC 12V	439097
40A	2NO	-	AC/DC 230V	NCH8-40Z/20 AC/DC 230V	439098
40A	2NO	-	AC/DC 110V	NCH8-40Z/20 AC/DC 110V	439099
40A	2NO	-	AC/DC 48V	NCH8-40Z/20 AC/DC 48V	439100

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
40A	2NO	-	AC/DC 24V	NCH8-40Z/20 AC/DC 24V	439101
40A	2NO	-	AC/DC 12V	NCH8-40Z/20 AC/DC 12V	439102
40A	2NC	-	AC/DC 230V	NCH8-40Z/02 AC/DC 230V	439103
40A	2NC	-	AC/DC 110V	NCH8-40Z/02 AC/DC 110V	439104
40A	2NC	-	AC/DC 48V	NCH8-40Z/02 AC/DC 48V	439105
40A	2NC	-	AC/DC 24V	NCH8-40Z/02 AC/DC 24V	439106
40A	2NC	-	AC/DC 12V	NCH8-40Z/02 AC/DC 12V	439107
40A	1NO+1NC	-	AC/DC 230V	NCH8-40Z/11 AC/DC 230V	439108
40A	1NO+1NC	-	AC/DC 110V	NCH8-40Z/11 AC/DC 110V	439109
40A	1NO+1NC	-	AC/DC 48V	NCH8-40Z/11 AC/DC 48V	439110
40A	1NO+1NC	-	AC/DC 24V	NCH8-40Z/11 AC/DC 24V	439111
40A	1NO+1NC	-	AC/DC 12V	NCH8-40Z/11 AC/DC 12V	439112
40A	3NO	-	AC/DC 230V	NCH8-40Z/30 AC/DC 230V	439138
40A	3NO	-	AC/DC 110V	NCH8-40Z/30 AC/DC 110V	439139
40A	3NO	-	AC/DC 48V	NCH8-40Z/30 AC/DC 48V	439140
40A	3NO	-	AC/DC 24V	NCH8-40Z/30 AC/DC 24V	439141
40A	3NO	-	AC/DC 12V	NCH8-40Z/30 AC/DC 12V	439142
40A	3NC	-	AC/DC 230V	NCH8-40Z/03 AC/DC 230V	439143
40A	3NC	-	AC/DC 110V	NCH8-40Z/03 AC/DC 110V	439144
40A	3NC	-	AC/DC 48V	NCH8-40Z/03 AC/DC 48V	439145
40A	3NC	-	AC/DC 24V	NCH8-40Z/03 AC/DC 24V	439146
40A	3NC	-	AC/DC 12V	NCH8-40Z/03 AC/DC 12V	439147
40A	4NO	-	AC/DC 230V	NCH8-40Z/40 AC/DC 230V	439148
40A	4NO	-	AC/DC 110V	NCH8-40Z/40 AC/DC 110V	439149
40A	4NO	-	AC/DC 48V	NCH8-40Z/40 AC/DC 48V	439150
40A	4NO	-	AC/DC 24V	NCH8-40Z/40 AC/DC 24V	439151
40A	4NO	-	AC/DC 12V	NCH8-40Z/40 AC/DC 12V	439152
40A	4NC	-	AC/DC 230V	NCH8-40Z/04 AC/DC 230V	439153
40A	4NC	-	AC/DC 110V	NCH8-40Z/04 AC/DC 110V	439154
40A	4NC	-	AC/DC 48V	NCH8-40Z/04 AC/DC 48V	439155
40A	4NC	-	AC/DC 24V	NCH8-40Z/04 AC/DC 24V	439156
40A	4NC	-	AC/DC 12V	NCH8-40Z/04 AC/DC 12V	439157
40A	2NO+2NC	-	AC/DC 230V	NCH8-40Z/22 AC/DC 230V	439158
40A	2NO+2NC	-	AC/DC 110V	NCH8-40Z/22 AC/DC 110V	439159
40A	2NO+2NC	-	AC/DC 48V	NCH8-40Z/22 AC/DC 48V	439160
40A	2NO+2NC	-	AC/DC 24V	NCH8-40Z/22 AC/DC 24V	439161
40A	2NO+2NC	-	AC/DC 12V	NCH8-40Z/22 AC/DC 12V	439162
40A	3NO+1NC	-	AC/DC 230V	NCH8-40Z/31 AC/DC 230V	439163
40A	3NO+1NC	-	AC/DC 110V	NCH8-40Z/31 AC/DC 110V	439164
40A	3NO+1NC	-	AC/DC 48V	NCH8-40Z/31 AC/DC 48V	439165
40A	3NO+1NC	-	AC/DC 24V	NCH8-40Z/31 AC/DC 24V	439166
40A	3NO+1NC	-	AC/DC 12V	NCH8-40Z/31 AC/DC 12V	439167

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	1NO	-	AC/DC 230V	NCH8-63Z/10 AC/DC 230V	439113
63A	1NO	-	AC/DC 110V	NCH8-63Z/10 AC/DC 110V	439114
63A	1NO	-	AC/DC 48V	NCH8-63Z/10 AC/DC 48V	439115
63A	1NO	-	AC/DC 24V	NCH8-63Z/10 AC/DC 24V	439116
63A	1NO	-	AC/DC 12V	NCH8-63Z/10 AC/DC 12V	439117
63A	1NC	-	AC/DC 230V	NCH8-63Z/01 AC/DC 230V	439118
63A	1NC	-	AC/DC 110V	NCH8-63Z/01 AC/DC 110V	439119
63A	1NC	-	AC/DC 48V	NCH8-63Z/01 AC/DC 48V	439120
63A	1NC	-	AC/DC 24V	NCH8-63Z/01 AC/DC 24V	439121
63A	1NC	-	AC/DC 12V	NCH8-63Z/01 AC/DC 12V	439122
63A	2NO	-	AC/DC 230V	NCH8-63Z/20 AC/DC 230V	439123
63A	2NO	-	AC/DC 110V	NCH8-63Z/20 AC/DC 110V	439124
63A	2NO	-	AC/DC 48V	NCH8-63Z/20 AC/DC 48V	439125
63A	2NO	-	AC/DC 24V	NCH8-63Z/20 AC/DC 24V	439126
63A	2NO	-	AC/DC 12V	NCH8-63Z/20 AC/DC 12V	439127
63A	2NC	-	AC/DC 230V	NCH8-63Z/02 AC/DC 230V	439128
63A	2NC	-	AC/DC 110V	NCH8-63Z/02 AC/DC 110V	439129
63A	2NC	-	AC/DC 48V	NCH8-63Z/02 AC/DC 48V	439130
63A	2NC	-	AC/DC 24V	NCH8-63Z/02 AC/DC 24V	439131
63A	2NC	-	AC/DC 12V	NCH8-63Z/02 AC/DC 12V	439132
63A	1NO+1NC	-	AC/DC 230V	NCH8-63Z/11 AC/DC 230V	439133
63A	1NO+1NC	-	AC/DC 110V	NCH8-63Z/11 AC/DC 110V	439134
63A	1NO+1NC	-	AC/DC 48V	NCH8-63Z/11 AC/DC 48V	439135
63A	1NO+1NC	-	AC/DC 24V	NCH8-63Z/11 AC/DC 24V	439136
63A	1NO+1NC	-	AC/DC 12V	NCH8-63Z/11 AC/DC 12V	439137
63A	3NO	-	AC/DC 230V	NCH8-63Z/30 AC/DC 230V	439168
63A	3NO	-	AC/DC 110V	NCH8-63Z/30 AC/DC 110V	439169
63A	3NO	-	AC/DC 48V	NCH8-63Z/30 AC/DC 48V	439170

AC-7a Current	Main Contacts	Auxiliary Contacts	Coil	Model Description	Code
63A	3NO	-	AC/DC 24V	NCH8-63Z/30 AC/DC 24V	439171
63A	3NO	-	AC/DC 12V	NCH8-63Z/30 AC/DC 12V	439172
63A	3NC	-	AC/DC 230V	NCH8-63Z/03 AC/DC 230V	439173
63A	3NC	-	AC/DC 110V	NCH8-63Z/03 AC/DC 110V	439174
63A	3NC	-	AC/DC 48V	NCH8-63Z/03 AC/DC 48V	439175
63A	3NC	-	AC/DC 24V	NCH8-63Z/03 AC/DC 24V	439176
63A	3NC	-	AC/DC 12V	NCH8-63Z/03 AC/DC 12V	439177
63A	4NO	-	AC/DC 230V	NCH8-63Z/40 AC/DC 230V	439178
63A	4NO	-	AC/DC 110V	NCH8-63Z/40 AC/DC 110V	439179
63A	4NO	-	AC/DC 48V	NCH8-63Z/40 AC/DC 48V	439180
63A	4NO	-	AC/DC 24V	NCH8-63Z/40 AC/DC 24V	439181
63A	4NO	-	AC/DC 12V	NCH8-63Z/40 AC/DC 12V	439182
63A	4NC	-	AC/DC 230V	NCH8-63Z/04 AC/DC 230V	439183
63A	4NC	-	AC/DC 110V	NCH8-63Z/04 AC/DC 110V	439184
63A	4NC	-	AC/DC 48V	NCH8-63Z/04 AC/DC 48V	439185
63A	4NC	-	AC/DC 24V	NCH8-63Z/04 AC/DC 24V	439186
63A	4NC	-	AC/DC 12V	NCH8-63Z/04 AC/DC 12V	439187
63A	2NO+2NC	-	AC/DC 230V	NCH8-63Z/22 AC/DC 230V	439188
63A	2NO+2NC	-	AC/DC 110V	NCH8-63Z/22 AC/DC 110V	439189
63A	2NO+2NC	-	AC/DC 48V	NCH8-63Z/22 AC/DC 48V	439190
63A	2NO+2NC	-	AC/DC 24V	NCH8-63Z/22 AC/DC 24V	439191
63A	2NO+2NC	-	AC/DC 12V	NCH8-63Z/22 AC/DC 12V	439192
63A	3NO+1NC	-	AC/DC 230V	NCH8-63Z/31 AC/DC 230V	439193
63A	3NO+1NC	-	AC/DC 110V	NCH8-63Z/31 AC/DC 110V	439194
63A	3NO+1NC	-	AC/DC 48V	NCH8-63Z/31 AC/DC 48V	439195
63A	3NO+1NC	-	AC/DC 24V	NCH8-63Z/31 AC/DC 24V	439196
63A	3NO+1NC	-	AC/DC 12V	NCH8-63Z/31 AC/DC 12V	439197