

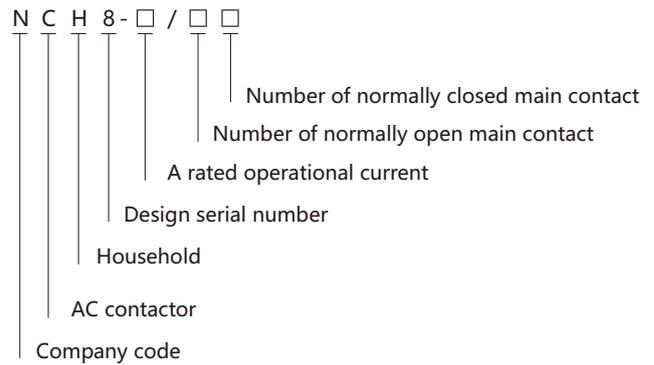


NCH8 Modular AC Contactor 20~63A

1. General

- 1.1 Electric ratings: up to 20A, 25A, 40A, 63A, 230V, 400V AC50/60Hz;
- 1.2 Utilization category: AC-1, AC-7a, AC-7b, AC-3;
- 1.3 Standard: IEC/EN 61095, IEC 60947-4-1

2. Model and meanings



3. Features

- 3.1 Compact design and modularization design;
- 3.2 Insulation material with excellent performances has been adopted to enhance the operation security to a great extent;
- 3.3 Elegant appearance. A mounting instruction diagram is appended for convenient operation;
- 3.4 No noise during operation.
- 3.5 IP20

4. Technical data

4.1 Ratings

Model	Utilization category	U _i (V)	U _e (V~)	Conventional heating current (A)	I _e (A)	Controlled power (kW)
NCH8-20/20 NCH8-20/11 NCH8-20/02 NCH8-20/10 NCH8-20/01	AC-1/AC-7a AC-3/AC-7b	500	230	25	20 9	4 1.2
NCH8-20/40 NCH8-20/22 NCH8-20/31	AC-1/AC-7a AC-3/AC-7b	500	400	25	20 9	10 4
NCH8-25/20 NCH8-25/11 NCH8-25/02 NCH8-25/10 NCH8-25/01	AC-1/AC-7a AC-3/AC-7b	500	230	25	25 9	5 1.2
NCH8-25/40 NCH8-25/22 NCH8-25/31	AC-1/AC-7a AC-3/AC-7b	500	400	25	25 9	16 4
NCH8-40/20 NCH8-40/11 NCH8-40/02	AC-1/AC-7a AC-3/AC-7b	500	230	63	40 15	7.5 3
NCH8-63/20 NCH8-63/11 NCH8-63/02	AC-1/AC-7a AC-3/AC-7b	500	230	63	63 20	12 4
NCH8-40/40 NCH8-40/31 NCH8-40/22	AC-1/AC-7a AC-3/AC-7b	500	400	63	20	26 7.5
NCH8-63/40 NCH8-63/31 NCH8-63/22	AC-1/AC-7a AC-3/AC-7b	500	400	63	63 20	40 11

4.2 Action (operation) conditions:

When the ambient air temperature is - 5 °C ~ + 40 °C, the rated control power supply voltage u_s is applied to the contactor suction coil, so that when it is heated to a stable state, the contactor can be reliably closed under any voltage within the range of (85% ~ 110%) u_s . The release voltage is neither higher than 75% u_s nor less than 20% u_s .

4.2.1 Agreed operational performance

Utilization category	Making conditions			Breaking conditions			Electrification time (s)	Interval time (s)	Operating frequency
	I/I _e	U/U _e	COSΦ	I _c /I _e	U _r /U _e	COSΦ			
AC-1	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	6000
AC-7a	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	30000
AC-3/AC-7b	6.0	1.0	0.45	1.0	0.17	0.45	0.05	10	30000

4.2.2 Making and breaking capacity

Utilization category	Making and breaking conditions			Electrification time (s)	Interval time (s)	Operating frequency
	I _c /I _e	U _r /U _e	COSΦ			
AC-1/AC-7a	1.0	1.05	0.8	0.05	10	50
AC-3/AC-7b	8	1.05	0.45	0.05	10	50

4.3 Conventional heating current under different ambient temperature

Rated current	40°C	50°C	60°C	70°C
I _e =20A	20A	18A	16A	14A
I _e =25A	25A	22A	18A	16A
I _e =40A	40A	38A	36A	32A
I _e =63A	63A	57A	50A	46A

4.4 Number of appended lamps with voltage up to 230V

Unit power	Tungsten filament and halogen 230V					
	60W	100W	200W	300W	500W	1000W
20A	20	12	6	4	2	1
25A	36	20	11	7	4	2
40A	85	50	25	17	10	5
63A	115	70	35	23	14	7

5. Overall and mounting dimensions (mm)



Model	D		L	L1	L2	H	H1
	2P	4P					
NCH8-20~25	18	36	85	35.5	45	65.5	50
NCH8-40~36	36	54	85	35.5	45	65.5	50

6. Ordering information

Model	Number of contact	Coil voltage
NCH8-20	2NO	24V,220/230V,240V 50/60Hz
NCH8-20	1NO+1NC	
NCH8-20	2NC	
NCH8-20	1NO	
NCH8-20	1NC	
NCH8-20	4NO	
NCH8-20	2NO+2NC	
NCH8-20	3NO+1NC	
NCH8-25	2NO	
NCH8-25	1NO+1NC	
NCH8-25	2NC	
NCH8-25	1NO	
NCH8-25	1NC	
NCH8-25	4NO	
NCH8-25	2NO+2NC	
NCH8-25	3NO+1NC	
NCH8-40	4NO	
NCH8-40	3NO+1NC	
NCH8-40	2NO+2NC	
NCH8-40	2NO	
NCH8-40	1NO+1NC	
NCH8-40	2NC	
NCH8-63	4NO	
NCH8-63	3NO+1NC	
NCH8-63	2NO+2NC	
NCH8-63	2NO	
NCH8-63	1NO+1NC	
NCH8-63	2NC	