

# RDCH8 Series AC contactor



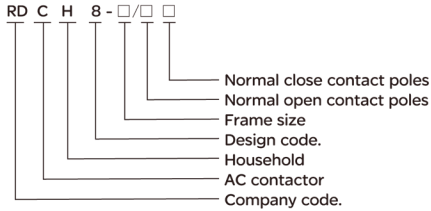
## Description

RDCH8 series AC contactor, is mainly applied to circuit of 50Hz or 60Hz, rated operational voltage up to 400V, Rated operational current up to 63A, to control the household appliance and the low induction load, and also can control the household motor load, the control power should decreased accordingly. This production can be used in the household, hotel, apartment those place to realize automation, and also can used in the other appliances.

This production conforms to the standard of IEC61095.

# RDCH8 Series AC contactor

## Model No.



## Normal working condition and Installation environment

- 3.1 Temperature:  $-5^{\circ}$   $+40^{\circ}$  , the average temperature of 24 hours should not exceed  $35^{\circ}\text{C}$ .
- 3.2 Altitude : should not exceed 2000m.
- 3.3 The relative humidity: no more than 50%, when Temperature is  $+40^{\circ}\text{C}$ . The product can withstand the higher humidity under lower temperature, for instance, when temperature at  $+20^{\circ}\text{C}$ , the product can withstand 90% relative humidity.
- 3.4 Pollution class: 2 class
- 3.5 Installation type: II class
- 3.6 Installation condition: the angle between the product and vertical plane should not exceed  $5^{\circ}$ .
- 3.7 Installation methods: adopt 35mm DIN-Rail
- 3.8 Protection class: IP20.

## Main Technical parameter

- 4.1 Poles: 1P, 2P, 3P, 4P
- 4.2 The specification see Table 1, Table 2

# RDCH8 Series

## AC contactor

Table 1

Model No.	Rated current (pole)	Using type	Rated operational current(A)	Rated insulation voltage (V)	Control power (kW)	Connection type
RDCH8-25	16 (1P/2P)	AC-7a	16	500	3.5	With soft-cable: 2×2, 5mm <sup>2</sup> With hard-cable: 6mm <sup>2</sup>
		AC-7b	7	500	1.0	
	20 (1P/2P)	AC-7a	20	500	4	
		AC-7b	8.5	500	1.2	
	25 (1P/2P)	AC-7a	25	500	5.4	
		AC-7b	9	500	1.4	
25 (3P/4P)	AC-7a	40	500	16		
RDCH8-63	32 (2P)	AC-7a	32	500	7.2	With soft-cable: 2×10mm <sup>2</sup> With hard-cable: 25mm <sup>2</sup>
	32 (3P/4P)	AC-7a	32	500	21	
	40 (2P)	AC-7a	40	500	8.6	
	40 (3P/4P)	AC-7a	40	500	26	
	63 (2P)	AC-7a	63	500	14	
	63 (3P/4P)	AC-7a	63	500	40	

Table 2

Pole	Rated current (A)	Rated voltage (V)	NO NC
1P	16-25	220/230	10
2P	16-25	220/230	20
	40-63		02
3P	25	380/400	30
	40-63		
4P	25	380/400	40
	40-63		04

4.3 Operation performance: Under the condition of the ambient temperature is in the range of -5°C-+40°C, charge the contactor attract coil with rated control power voltage  $U_s$  and warm it to the stable state, the contactor should attract stably in any value between the 85% and 100% of rated control power voltage  $U_s$ ;

it should release and break between 75% and 20%(2P) or 10%(1P) of the rated control power voltage  $U_s$ .

4.4 Mechanical life: no less than 1 million times.

4.5 Electrical life: no less than 100 thousands times.

4.6 Wiring diagram: see Fig1 to Fig5

# RDCH8 Series AC contactor

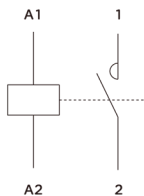


Fig1 16/10~25/10

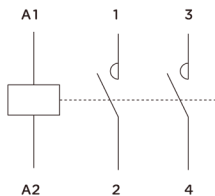


Fig2 16/20~25/20

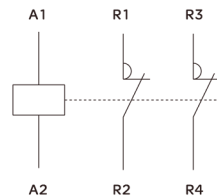


Fig3 16/02~25/02

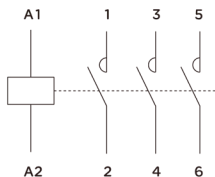


Fig3 16/30~63/30

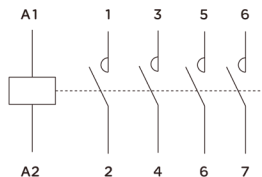


Fig4 25/40~63/40

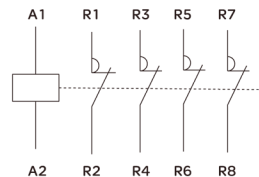


Fig3 25/04~63/04

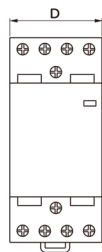
## Overall and Installation Dimensions:



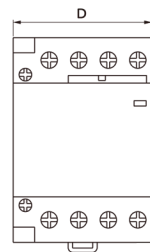
16/25 2P



40/63 2P

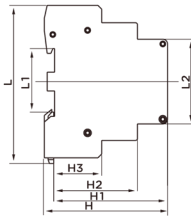


16/25 3P, 4P

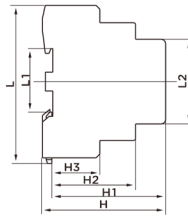


40/63 4P

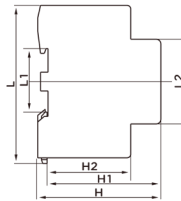
# RDCH8 Series AC contactor



16/25 2P



16/25 3P, 4P



40/63 2P  
40/63 3P, 4P

Table 3

Model No.	Rated current(Poles)	D	L	L1	L2	H	H1	H2	H3
RDCH8-25	16/25 1P,2P	18	85	35,5	45,5	66	61	45	23
	16/25 3P,4P	36	85	35,5	45,5	66	61	45	23
RDCH8-63	40/63 2P	36	85	35,5	45,5	66	61	45	-
	40/63 3P,4P	54	85	35,5	45,5	66	61	45	-