RDCH8

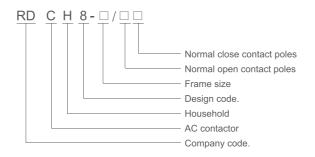
Household AC contactor



Description

RDCH8 series AC contactor, is mainly applied to circuit of 50Hz or 60Hz, rated operational volteage 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.

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°C.
- 3.2 Altitude: should not exceed 2000m.
- 3.3 The relative humidity: no more than 50%, when Temperature is +40°C. The product can withstand the higher humidity under lower temperature, for instance, when temperature at +20°C, the product can withstand 90% relative humidity.
- 3.4 Pollution class: 2 class
- 3.5 Installation type: Il class
- 3.6 Installation codition: the angle between the prodouct and vertical plane should not exceed 5°.
- 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 $\,$

Table 1

Model No.	Rated current (pole)	Using type	Rated operational current(A)	Rated insulation voltage (V)	Control power (kW)	Connection type		
RDCH8-25	4C (4D/2D)	AC-7a	16	500	3.5			
	16 (1P/2P)	AC-7b	7	500	1.0	With soft-cable: 2×2.5mm² With hard-cable: 6mm²		
	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 PP)	AC-7a	32	500	7.2	With soft-cable: 2×10mm ² With hard-cable: 25mm ²		
	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	
2F	40~63	220/230	02	
3P	25	380/400	30	
3F	40~63	300/400	30	
4P	25	380/400	40	
46	40~63	330/400	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 Us 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 Us;

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

- 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 Flg1 to Fig5

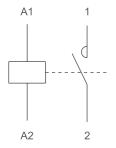


Fig1 16/10~25/10

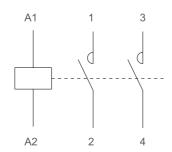


Fig2 16/20~25/20

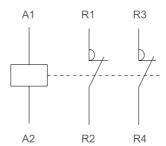


Fig3 16/02~25/02

AC CONTACTOR

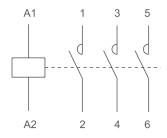


Fig3 16/30~63/30

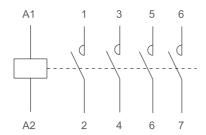


Fig4 25/40~63/40

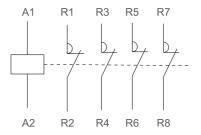
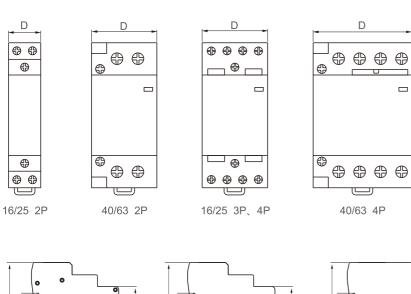


Fig3 25/04~63/04

Overall and Installation Dimensions:



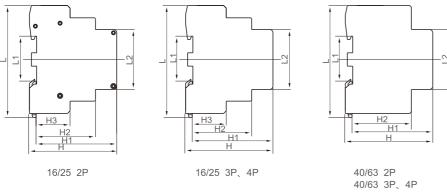


Table 3

Model No.	Rated current(Poles)	D	L	L1	L2	Н	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	-