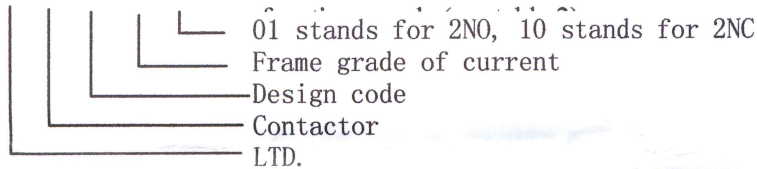


## 1. APPLICATION RANGE

YJC1-20 household AC contactor is mainly used in the circuit of AC 50 (60) HZ, rated voltage is up to 230V, and rated current is up to 20A, and it is to control the low-induction and micro-induction load of household electrical appliances or etc. It also can be used to control the household motor load (on this occasion, the control power should be low correspondingly).

## 2. MODEL & SIGNIFICATION

YJC 1-20 □□



## 3. TECHNICAL PARAMETERS

3.1 Rated insulation voltage, conventional thermal current, utilization category, rated working current, and control power of the contactor, please refer to Table 1.

3.2 Operation condition: under the ambient temperature  $-5^{\circ}\text{C} - +40^{\circ}\text{C}$ , to impose rated control power voltage  $U_s$  upon the attracting coil of the contactor, and when make it heat to stable condition, the contactor will close reliably among the range of 85% - 110%  $U_s$ . Its release voltage cannot be more than 75%  $U_s$ , and cannot be less than 20%  $U_s$ .

3.3 Making and breaking capacity (refer to Table 2)

Table 1

Utilization Category	Rated Insulation Voltage (V)	Rated Working Voltage (V)	Conventional Thermal Current (A)	Rated Working Current (A)	Control Power (KW)
AC-1 AC-7a AC-7b	500	230	20	20 9	4 1.2

Table 2

Utilization Category	Making and Breaking Conditions $I_c/I_e$ $U_r/U_e$ COS	On-electricity Time (s)	Interval Time (s)	Operation Cycle Times
AC-1 AC-7a AC-7b	1.5 1.05 0.8 8 1.05 0.45	0.05	10	50

## 4. NORMAL WORK AND INSTALLATION CONDITION

- Ambient temperature:  $-5^{\circ}\text{C} - +40^{\circ}\text{C}$
- Altitude: 2000m
- Atmosphere condition: relative humidity of the installation place is 90%
- Pollution grade: Grade II
- Installation class: II

## 5. PRODUCT CHARACTERISTICS

Such products have characteristics of novel structure and small size (It has 2NO or 2NC contacts within 18mm width), so it is a special household AC contactor. Its enclosure takes recyclable high temperature insulation material. It also has characteristics of beautiful shape, convenient installation, no noise, so it belongs to modular terminal product. It can be equipped with MCB to be installed in the control and illumination box, which is applied in the following occasions, such as hotel, hospital, house, and so on.

## 6. INSTALLATION SIZE AND PRODUCT CONTOUR

