

AC CONTACTOR

CJX2-09~95

Series AC Contactor



Application

CJX2 series AC Contactor is mainly used in the circuit of AC 50Hz or 60Hz, rated voltage up to 690V, rated current up to 95A, for the use of remotely connecting and breaking the circuit, it also can be directly combined with thermal relay into electromagnetic starter to protect the circuit that may have overloaded operations. Contactor can also be equipped with accessories such as the block type auxiliary contacts group, air delay contact, mechanical interlock mechanism, etc. to combine into delay contactor, directional contactor, and star-delta starter. It conforms to the standard IEC/EN60947-4-1.

Model No.

CJX 2 - □ □ / □ □

- 10: 32A and below, 3 poles+1NO auxiliary contact
- 01: 32A and below, 3 poles+1NC auxiliary contact
- 11: 40A and above, 3 poles+1NO+1NC auxiliary contacts
- 004: 4NO main contacts
- 008: 2NO+2NC main contacts
- Rated operating current
- Design No.
- AC Contactor

Normal operating condition and installation condition

- 3.1 Ambient temperature: +5°C~+40°C, average temperature within 24h does not exceed +35°C.
- 3.2 Altitude: does not exceed 2000m.
- 3.3 Atmospheric condition: when the highest temperature is +40°C, the relatively humidity does not exceed 50%; it can allow relatively high humidity when it is at relatively low temperature, for instance, it reaches 90% when it is at +20°C, it should take measurement when there have condensation occurred due to the temperature variation.
- 3.4 Pollution grade: 3.
- 3.5 Installation category: III.
- 3.6 Installation position: the gradient of the mounting surface to the vertical surface does not exceed ±5°
- 3.7 Impact and vibration: product should be installed and used at the places without obvious shake, impact and vibration.

Main technical parameter

Main technique parameter of contactor to see table 1

table 1

| Model | | CJX2-09 | CJX2-12 | CJX2-18 | CJX2-25 | CJX2-32 | CJX2-40 | CJX2-50 | CJX2-65 | CJX2-80 | CJX2-95 | | | | | | |
|---------------------------------------|---|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----|----|----|----|----|
| Rated insulation voltage V | | 690 | | | | | | | | | | | | | | | |
| Main contacts | Conventional heating current($\leq 40^{\circ}\text{C}$) A | 20 | 20 | 32 | 40 | 50 | 60 | 80 | 80 | 125 | 125 | | | | | | |
| | Rated current (A) when at 380V | AC-3 | 9 | 12 | 18 | 25 | 32 | 40 | 50 | 65 | 80 | 95 | | | | | |
| | | AC-4 | 4 | 5 | 7 | 10 | 13 | 16 | 20 | 25 | 32 | 45 | | | | | |
| | Power of controllable single phase motor kW | 110V | 0.4 | 0.5 | 0.75 | 1.1 | 1.5 | 1.5 | 2.2 | 3.7 | - | - | | | | | |
| | | 220V | 0.75 | 1.1 | 1.5 | 2.2 | 3 | 3.7 | 5.5 | - | - | - | | | | | |
| | Power of controllable three-phase squirrel cage type motor kW (when AC-3) | 220V | 2.2 | 3 | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 25 | | | | | |
| | | 380V | 4 | 5.5 | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | | | | | |
| | | 440V | 4 | 5.5 | 7.5 | 11 | 15 | 22 | 30 | 37 | 45 | 45 | | | | | |
| | | 660V | 5.5 | 7.5 | 9 | 15 | 18.5 | 30 | 33 | 37 | 45 | 45 | | | | | |
| | AC-1 ($\leq 40^{\circ}\text{C}$) A | 20 | 20 | 32 | 40 | 50 | 60 | 80 | 80 | 125 | 125 | | | | | | |
| | Connecting max. current A | 250 | 250 | 300 | 450 | 550 | 800 | 900 | 1000 | 1000 | 1100 | 1200 | | | | | |
| | Breaking max. current A | 440V | 250 | 250 | 300 | 450 | 550 | 800 | 900 | 1000 | 1100 | 1200 | | | | | |
| | | 500V | 175 | 175 | 250 | 400 | 480 | 800 | 900 | 1000 | 1100 | 1200 | | | | | |
| | | 660V | 85 | 85 | 120 | 180 | 200 | 400 | 500 | 630 | 640 | 700 | | | | | |
| | Operation frequency | Electrical life | AC-4 | 300 | 300 | 300 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | | | | |
| AC-3 | | | 2400 | 2400 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 1200 | 600 | | | | | |
| | Mechanical life (times/h) | 3600 | | | | | | | | | | | | | | | |
| Electrical life (10000 times/h) | AC-4 | 20 | 20~15 | 20~7 | 15~7 | 15~7 | 10~7 | 7 | 7~6 | 7~5 | 7~5 | | | | | | |
| | AC-3 | 200 | | | | | | | 160 | | | | | | | | |
| Mechanical life (10000 times/h) | 2000 | | | | | | | | 1000 | | | | | | | | |
| Rated control power voltage U_s (V) | | AC 36, 48, 110, 220, 380, 415, 440, 660 | | | | | | | | | | | | | | | |
| Pull-in voltage 50/60Hz V | | (0.85~1.1) U_s | | | | | | | | | | | | | | | |
| Release voltage 50/60Hz V | | (0.2~0.7) U_s | | | | | | | | | | | | | | | |
| Coil power | 50Hz | Pull-in VA | 70 | 70 | 70 | 110 | 110 | 200 | 200 | 200 | 200 | 200 | | | | | |
| | | Hold VA | 8 | 8 | 8 | 11 | 11 | 20 | 20 | 20 | 20 | 20 | | | | | |
| | 60Hz | Pull-in VA | 80 | 80 | 80 | 115 | 115 | 200 | 200 | 200 | 200 | 200 | | | | | |
| | | Hold VA | 8 | 8 | 8 | 11 | 11 | 20 | 20 | 20 | 20 | 20 | | | | | |
| | Power W | 1.8~2.7 | 1.8~2.7 | 1.8~2.7 | 3~4 | 3~4 | 6~10 | 6~10 | 6~10 | 6~10 | 6~10 | | | | | | |
| Power factor | Connecting | 0.8 | | | | | 0.6 | | | | | | | | | | |
| | Breaking | 0.3 | | | | | 0.3 | | | | | | | | | | |
| Pull-in time m s | | 12~22 | | | 15~24 | | | 20~26 | | | 20~35 | | | | | | |
| Release time m s | | 4~12 | | | 5~19 | | | 8~12 | | | 6~20 | | | | | | |
| Max. operating frequency | | 3500 times/h | | | | | | | | | | | | | | | |
| Terminal | Pieces | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 |
| | Flexible wire with cold-press terminal (mm ²) | 2.5 | 2.5 | 4 | 4 | 6 | 10 | 16 | 6 | 16 | 6 | 50 | 25 | 50 | 25 | | |
| | Flexible wire without cold-press terminal (mm ²) | 4 | 4 | 6 | 10 | 6 | 10 | 6 | 16 | 25 | 16 | 25 | 16 | 50 | 35 | 50 | 35 |
| | Single hard wire | 4 | 4 | 6 | 6 | - | 10 | 10 | 25 | - | 25 | - | 50 | - | 50 | - | |
| Weight (kg) | | 0.32 | 0.32 | 0.35 | 0.49 | 0.55 | 1.07 | 1.07 | 1.10 | 1.44 | 1.44 | | | | | | |
| Suited fuse type | Model | RDT16(NT)-00 | | | | | | | | | | | | | | | |
| | Rated current (A) | 20 | 20 | 32 | 40 | 50 | 63 | 80 | 80 | 100 | 125 | | | | | | |
| Auxiliary contacts | | Can be added with F4, LA2-D/LA3-D type air delay contacts | | | | | | | | | | | | | | | |

AC CONTACTOR

Dimensions

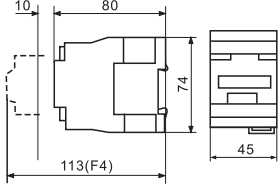


fig1 CJX2-09,12

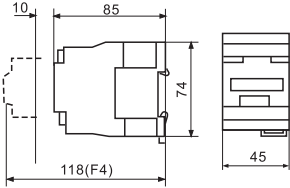


fig2 CJX2-18

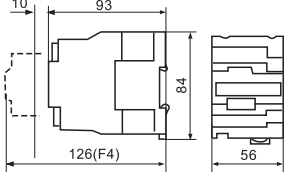


fig3 CJX2-25

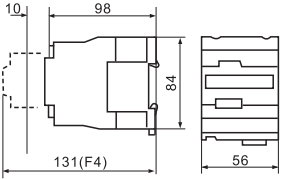


fig4 CJX2-32

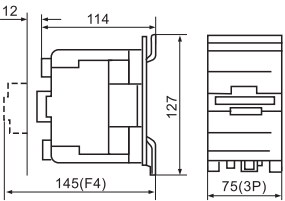


fig5 CJX2-40, 50, 65

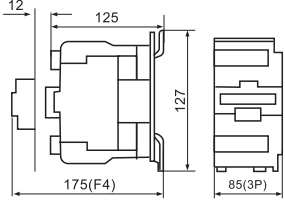
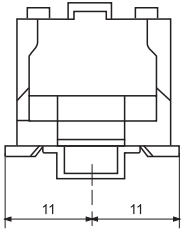
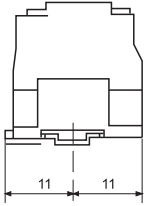


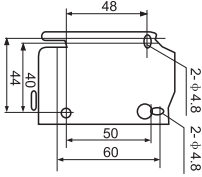
fig6 CJX2-80, 95



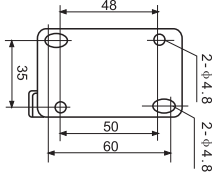
CJX2-40~95
installed by 35mm or
75mm DIN Rail



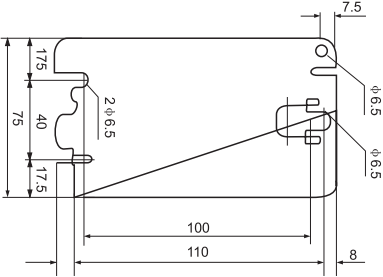
CJX2-09~32
installed by 35mm
DIN Rail



CJX2-25, 32



CJX2-09~18



CJX2-40, 50, 65, 80, 95